



Title: Gen Necessary for Striatal Function...
Inventor(s): Robertson, et al.
Application No.: 10/659,770
Docket No.: 2817/102
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HD — WT
1 2 3 4 5 6

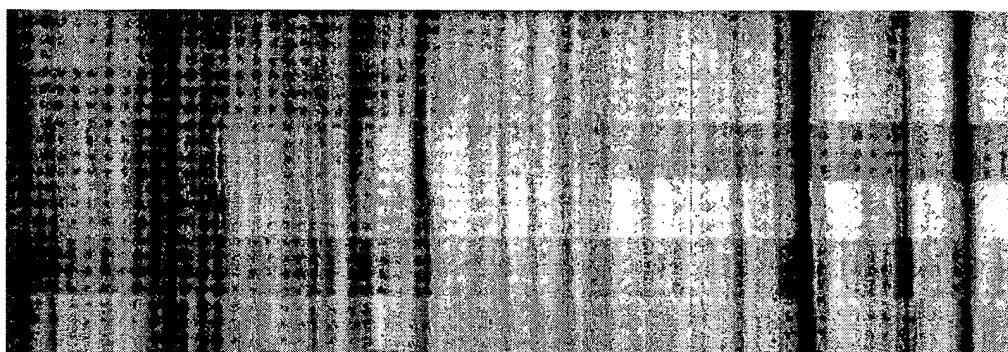


Figure 1

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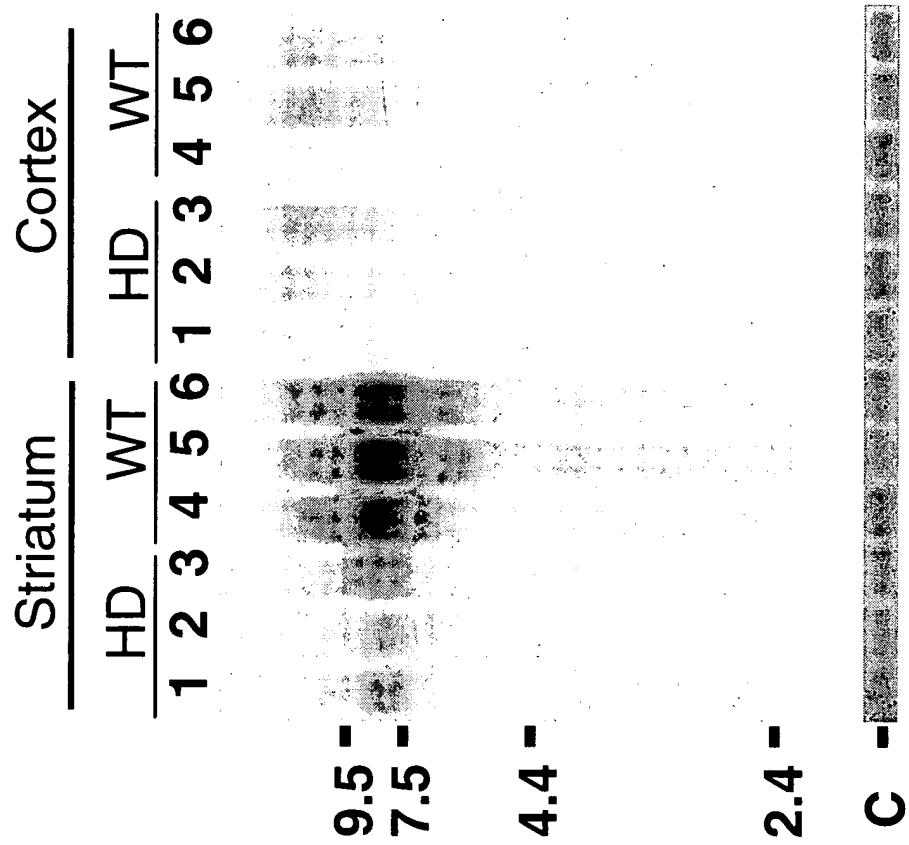


Figure 2

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Figure 3

1 TGTATGGAA TAGTGTTC ATATGATCTG TTGTCTGGAG TATATGCTAC ATGTCATTT
ACATACCCCTT ATCACAAAGG TATACTAGAC AACAGACCTC ATATACGATG TACAAGTAAA

HD1

61 ACTGTACAAA AACCCAGTGC AGCTGATGAT GCAAAGCAGT CTCTCTCTGT GTACAGTGC
TGACATGTTT TTGGGTCAAG TCGACTACTA CGTTTCGTCA GAGAGAGACA CATGTCACGG

121 CCACCTATTT AAAAATCACG TACAASCCA GAACACTGTG AAACACTTAA CATAAGAAC
GGTGGATAAA TTTTAGTGC ATGTTSGGGT CTTGTGACAC TTTGTGAATT GTATTCTTG

HD2

181 AAACGCAGCG TCTGGATTCT TTCCAAGGAG AGCAGCTTC TCCACAGGAA CACAGTAACA
TTTGCCTCGC AGACCTAAGA AAGGTTCCCTC TCGTCGAAAG AGGTGTCCTT GTGTCATTGT

HD2

241 AAAGAGGTCC GCCGCCATCC ACACCCAGCC AAGACACCTC AGAGGCCATA GGGACAAACCT
TTTCTCCAGG CGGCGGTAGG TGTGGTCGG TTCTGTGGAG TCTCCGGTAT CCCTGTTGGA

301 CCTTGCTGGC CAACACCTGC TGGAGCAGGG CACAGGTCCC AGCAACTGAT CCTCAGTGG
GGAACGACCG GTTGTGGACG ACCTCGTCCC GTGTCCAGGG TCGTTGACTA GGAGTCACCT

361 TGGGTCCGCA GTCAAAGCCT TAATGGGCTC TCTTTGAAG GGGAAAGAAA KWTTTCAAGC
ACCCAGGCCT CAGTTCCGGA ATTACCCGAG AGAAAACCTC CCCTTTCTTT MWAAAGTTCG

421 TTATGATATC CAACATTATT ATAGTTGATG AGTTAGTAAA TTCCGAAAAA AAAA
AATACTATAG GTTGTAAATAA TATCAACTAC TCAATCATT AAGGTTTTT TTTT



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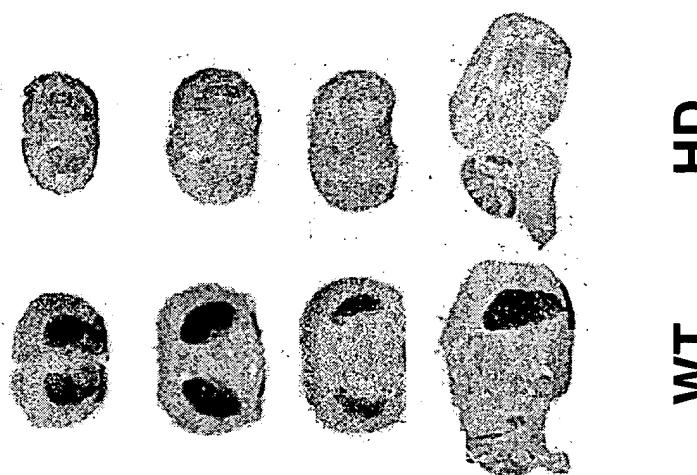


Figure 4

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Title: G protein Necessary for Striatal Function...
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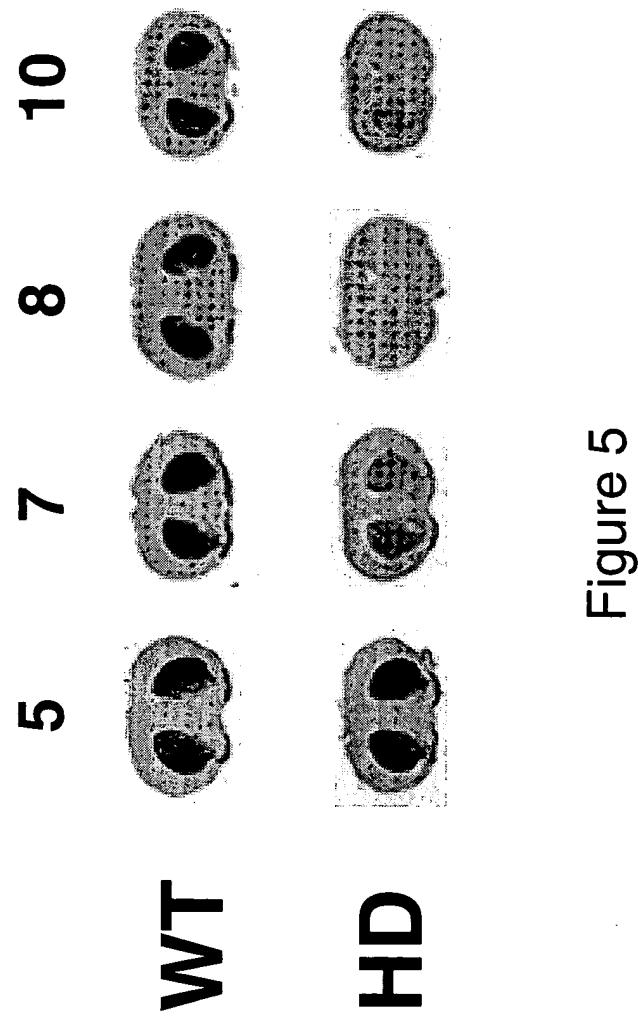


Figure 5

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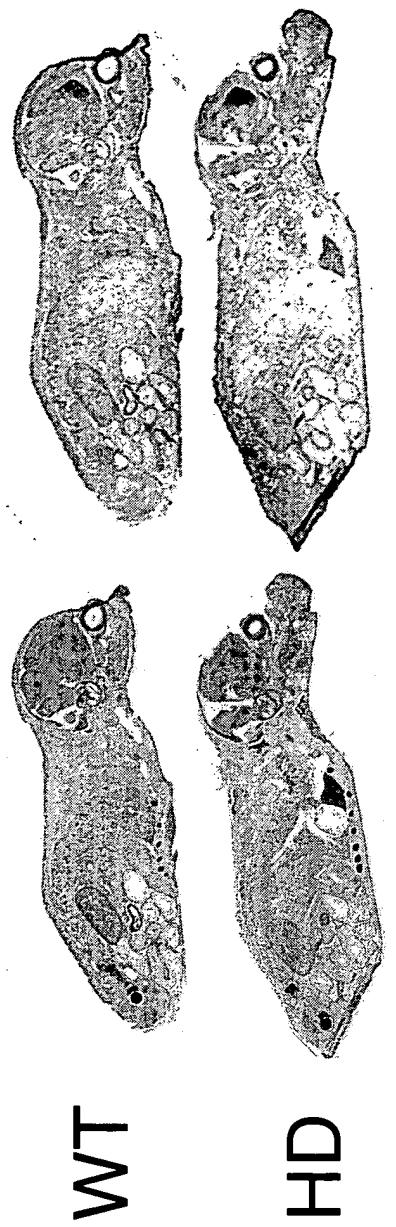


Figure 6

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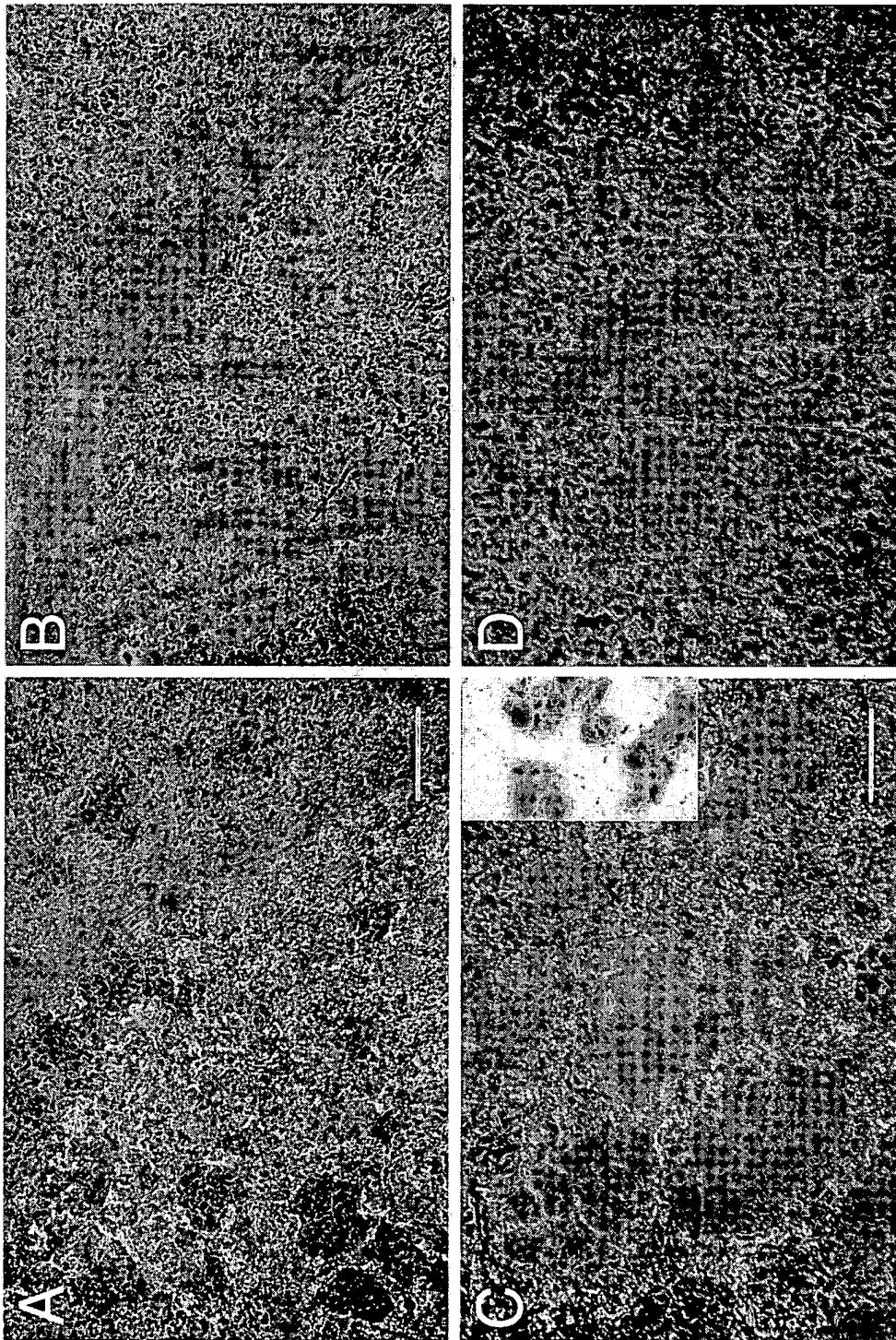


Figure 7

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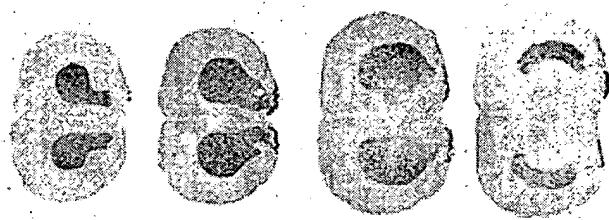


Figure 8

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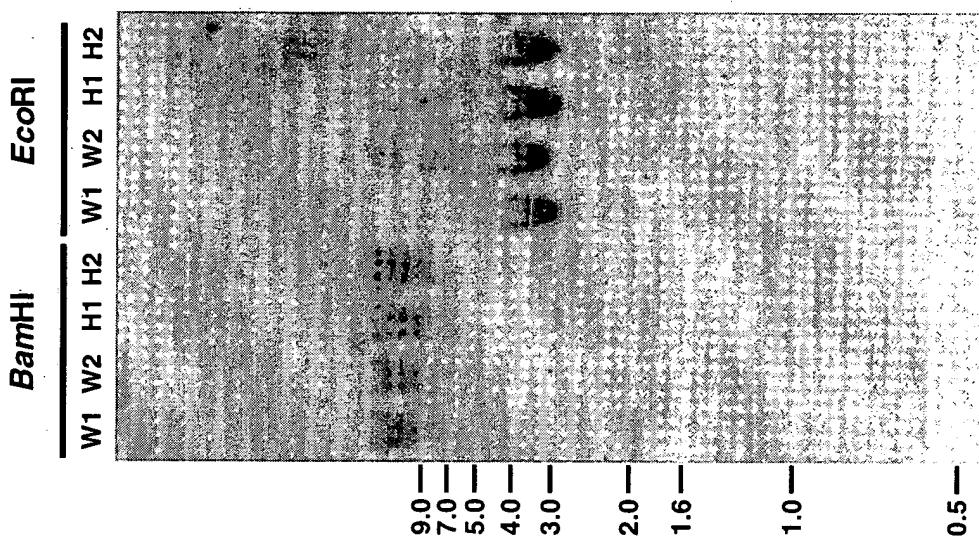


Figure 9

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Figure 10

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1	CACTGAAGCT	GGTCCACGTC	TATAAACAGG	TGACACTGGC	TGCAGCAAAA	AGCCATTGCA	GTGACTTCGA	CCAGGTGCAG	ATATTTGTCC	ACTGTGACCG	ACGTCGTTTT	TCGGTAAGCT
61	TCCACACAAA	TTGATCTTCT	ATCATCTTGG	AATCTGAATT	GCAGGGAGGA	GCAGTATGTA	AGGTGTGTTT	AACTAGAAGA	TAGTAGAAC	TTAGACTTAA	CGTCCCTCCT	CGTCATACAT
121	AGACGACCGT	TTAATTCAAG	CATTCCGAAG	GCATGAGCGC	ATGGATTCTG	TCACCAAGCG	TCTGCTGGCA	AATTAAGTCC	GTAAGGCTTC	CGTACTCGCG	TACCTAAGAC	AGTGGTCGC
181	TATAAAAGGA	CCCTGGCATT	GGGAAACCTA	TGACGGACTG	TTTTGCTGT	AGAAGTAGGG	ATATTTCCCT	GGGACCGTAA	CCCTTGGAT	ACTGCCTGAC	AAAAACGACA	TCTTCATCCC
241	ATTTTACAGA	AGTCTCCTTG	AATTGCCCC	GCCTGGGCA	GTGTTGCAGA	GGAAACCTGCC	TAAAATGTCT	TCAGAGGAAC	TTAACACGGG	CGGACCCGT	CAAACAGTCT	CCTTGACGG
301	AGAGATTTAT	TGGCTGGTCA	GTCTCTTGTG	AAATAGTATC	ATGTGAGAAA	CAGTTGTAG	TCTCTAAATA	ACCGACCAGT	CAGAGAACAC	TTTATCATAG	TACACTCTT	GTCAAACATC
361	AAAAAAACTA	TACCTGGGAA	GACCTTGCA	ACATTGTTCC	TTCCATGGGC	CAAGACTCAG	TTTTTTGAT	ATGGACCCCTT	CTGAAACGT	TGTAACAAGG	AAGGTACCCG	GTTCTGAGTC
421	TTAGGAGGCA	AAATCTGCC	CGGAATAAAC	TAGGCCAGGA	TACAGCCATG	TTTAGTTAAT	AATCCCTCGT	ATTAGACGG	GCCTTATTG	ATCCGGCCT	ATGTCGGTAC	AAATCAATTA
481	AATTGGTTT	TAGAATTAC	ACAGGCAGGA	TTGGTTTTT	TGTTCTTGG	CAAGTGGAGC	TTAAACAAA	ATCTTAAGTG	TGTCCTGCCT	AACCAAAAAA	ACACAGAAC	GTTCACCTCG
541	ATATTTAAC	TACAGGCATG	GGAATCCTGC	CTCTTAGCTT	TTCCCACCC	CTTGTCTCAC	TATAAATTGT	ATGTCCGTAC	CCTTAGGACG	GAGAATCGAA	AAGGGTGGGA	GAACAGAGTG
601	CAAGTTTTT	CTCTCCAAAG	GTTCAGGA	ATTTCTCATT	AATGGCTGAT	GCAAACCTAG	GTTCAAAAAA	GAGAGTTTC	CAAAGGTCT	TAAAGAGTAA	TTACCGACTA	CGTTGAATC
661	TGAATAATAA	TGAATATAAA	CAATGCTCAC	CTCACCAAAA	TTATATTATT	TGCACTCATT	ACTTATTATT	ACTTATATT	GTTACGAGTG	GAGTGGTTT	AATATAATAA	ACGTCAGTAA
721	TGTGATAACA	CAAATTTAT	CGCAATGGTT	ATTATTTAAT	TTGTGGCCAC	ACACTGTGGT	ACACTATTGT	GTAAACACCA	TAATAAATT	AACACCGGTG	TGTGACACCA	
781	TATCTTTGT	TGTGGTTGTT	TCTGAGAAAA	TGTTCTGGA	TATGTAAGTG	CCAATACCAAG	ATAGAAAACA	ACACCAACAA	AGACTCTTT	ACAAGAACCT	ATACATTAC	GGTTATGGTC
841	TGTGAAGTAT	TGATCCCGGG	CAGCAAAATA	CAGCCTAAGG	TTTGTAACAC	TCAATTCTAT	ACACTTCATA	ACTAGGGCCC	GTCGTTTTAT	GTCGGATTCC	AAACATTGT	AGTTAAGATA
901	CTCAGTTCAT	CAGAGGGCCT	GAGAAGCTGC	GGGGCAGTGT	AAAGTAAAGT	ATGCTGGGCT	GAGTCAGTA	GTCTCCCGGA	CTCTTCGACG	CCCCGTCA	TTCTATTCA	TACGACCCGA
961	GGTGGTGGTC	AGCCTCCCGC	CTGAAGAGTG	ACCAGTGCTG	GCCCAGCGA	TCGCTGAGAT	CCACCAACAG	TCGGAGGGCG	GACTTCTCAC	TGGTCACGAC	CGGGCTGCC	AGCGACTCTA
1021	ATTCTCCCAT	AATGGCAAAA	AAATAGGCAG	TTTGATGTGA	CCTGTTTAGT	GTGGCTCTCC	TAAGAGGGTA	TTACCGTTT	TTTATCCGTC	AAACTACACT	GGACAAATCA	CACCGAGAGG
1081	TCTTTGAGC	ATGTGTTAGC	ATTTTATT	TATACTCATC	CAGTGAAC	TGCTCTTCCA	AGAAAACCTG	TACACAAATCG	AAAAAATAAA	ATATGAGTAG	GTCACCTGAG	ACGAGAAGGT
1141	AGTGTGTTCA	TGTATGTGCT	AGATATATTA	GCACAGCCTG	CCTCTGCTG	CACAACGCCT	TCACACAAAGT	ACATACACGA	TCTATATAAT	CGTGTGGAC	GGAAGACGAC	GTGTTGGGA
1201	TAGAGACCCG	GCCTTTCAAT	GAGCTTAGCT	TGTGCTCTG	TTCTGCTCTC	TTAGGTCTAA	ATCTCTGGGC	CGGAAAGTTA	CTCGAATCGA	ACACGAGACA	AAGACGAGAG	AATCCAGATT



Figure 10 (cont.)

1261	ACTATGGTGT CAGTTTAAT AGAACAAAAG TATGCATCTT GCCTGGCTT GAGCCTTTCTGATACCA
1321	GTTCATG CTGACTTCTC CCCTTCTCT CCTGTGCTCA CCTTACCTT CCAGAGTGTACAAAGTTAC
1381	AGGGACAAC TTTAAGGAGG CGTGTCCCTG GTAGGGCAT CCCGTTAC CAGGTGCCTG
1441	TCCCTGTTGA AAATTCCCTGCACAGGGAC CATCCCCGTA GGGACAAGTG GTCCACGGAC
1501	TCATCACCCCC ACTTGACTGA CATCTACCCCT GGTGACTATG GGTTCCTCTT GTTTGTAGGG
1561	AGTAGTGGGG TGAACTGACT GTAGATGGGA CCACTGATAC CCAAGGAGAA CAAACATCCC
1621	AGCAGTGGCT CCAGGTGGAG GCATCAATCT GTTGGTTCT GGTCCCGGC TGCCTTGGT
1681	TTGCCACCGA GGTCCACCTC CGTAGTTAGA CAACCCAAGA CCAAGGGCCG ACGGAAACCA
1741	TTTGAAGTC TCTTCTCTGT ATATTCTAC CCTGCATTG CTTGTGTGG TGCTGATGCT
1801	AAACTTTCAG AGAAGAGACA TATAAGGATG GGACGTAAC GAAACACACC ACGACTACGA
1861	AAACTTTCAG AGAAGAGACA TATAAGGATG GGACGTAAC GAAACACACC ACGACTACGA
1921	GTGCGCAGTA GGATTCTTGG ATGACTCTCC ATCAGTCACA GACTCCCCCT GTGCAAAGT
1981	CACGCCGACT CCTGACAGTC ACCGTAACCTGAGCTGTAGT CACACACAGG CTGTCAGCCA
2041	GGCTTCCAC TTGCATGGCT ATTCTATTT CACACGTGAG TTTCTGTTGC TGGCTGGCTG
2101	GGCGAAGGTG AACGTACCGA TAAGATAAAA GTGTGCACTC AAAGACAACG ACCGACCGAC
2161	GGCGAAGGTG AACGTACCGA TAAGATAAAA GTGTGCACTC AAAGACAACG ACCGACCGAC
2221	GGCGAAGGTG AACGTACCGA TAAGATAAAA GTGTGCACTC AAAGACAACG ACCGACCGAC
2281	GGCGAAGGTG AACGTACCGA TAAGATAAAA GTGTGCACTC AAAGACAACG ACCGACCGAC
2341	GGCGAAGGTG AACGTACCGA TAAGATAAAA GTGTGCACTC AAAGACAACG ACCGACCGAC
2401	GGCGAAGGTG AACGTACCGA TAAGATAAAA GTGTGCACTC AAAGACAACG ACCGACCGAC
2461	GGCGAAGGTG AACGTACCGA TAAGATAAAA GTGTGCACTC AAAGACAACG ACCGACCGAC



Figure 10 (cont.)

2521	AAAAGAGGTC CGCCGCCATC CACACCCAGC CAAGACACCT CAGAGGCCAT AGGGACAACC TTTCTCCAG CGGGCGGTAG GTGTGGGTCG GTTCTGTGGA GTCTCCGGTA TCCCTGTTGG
2581	TCCTTGCTGG CCAACACCTG CTGGAGCAGG GGCACAGGTC CCAGCAACTG ATCCTCAGTG AGGAACGACC GGTTGTGGAC GACCTCGTCC CCGTGTCCAG GGTGTTGAC TAGGAGTCAC
2641	GATGGGTCCG CAGTCAAAGC CTTAATGGGC TCTCTTTGA AGGGGAAAGA AAGAATTTC CTACCCAGGC GTCAGTTTCG GAATTACCCG AGAGAAAAACT TCCCCTTCT TTCTTAAAGT
2701	AGCTTATGAT ATCCAACATT ATTATAGTTG ATGAGTTAGT AAATTCCAAA AAAAAAAAGAT TCGAATACTA TAGGTTGTA TAATATCAAC TACTCAATCA TTTAAGGTTT TTTTTTTCTA
2761	GATTTATAT GTATGACATA AAAAAAAATCT TTGTAAAGTG CGCAAGTGCA ATAATTAAA CTAAAATATA CATACTGTAT TTTTTTAGA AACATTCAC GCGTTCACGT TATTAAATTT
2821	GAGGTCTTAT CTTGCATTT ATAAATTATA AATATTGTAC ATGTGTGTA TTTTCATGT CTCCAGAATA GAAACGTAAA TATTTAATAT TTATAACATG TACACACATT AAAAAAGTACA
2881	ATTCATTGTC AGTCTTTGTA TTTAAAAAAA CTTTACTGTT ATGTTGTAT AATAGAACAT TAAGTAAACG TCAGAAACAT AAATTTTTT GAAATGACAA TACAAACATA TTATCTTGT
2941	TAATCATTAA TTATAACTCA GACAAGGTGT AAATAAATTC ATAATTCAAA CAGCCAGTAT ATTAGTAAAT AATATTGAGT CTGTTCCACA TTTATTTAAG TATTAAGTTT GTCGGTACATA
3001	ATATGCATAT ATGGGTGTTA CATTGCAAAA ATCTCTATCT TTGTTCTATT CACATGCTTA TATACGTATA TACCCACAAT GTAACGTTTT TAGAGATAGA AACAAAGATAA GTGTACGAAT
3061	AAGAAGTAAG AAATCTTTG TGGATATGTA ATTATACATA TAAAGTATAT ATATATGTAT TTCTTCATTC TTTAGAAAAC ACCTATACAT TAATATGTAT ATTCATATA TATATACATA
3121	GATACATGAA ATATATTAG AAATGTTCAT AATTTTAATG GATATTCTT GGTGTGAATA CTATGTACTT TATATAAACAT TTTACAAAGTA TTAAAATTAC CTATAAGAAA CCACACTTAT
3181	ATTGAATACA ACATTTTAA AATGAAAAAA AAAAAAAAGA AAAAAAAAGA AAAAAAA TAACCTTATGT TGTAAGGATT TTACTTTTT TTTTTTTTT TTTTTTTTT TTTTTT



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Figure 11

3236 bp

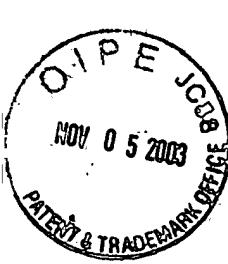


Figure 12

1 AAGTGTAAAT AAAATAAAC A TCTAATAAAA AAAATTACAT ACCATAGAGG AACAGATAA
 TTCACATTTA TTTTATTGT AGATTATTT TTTTAATGTA TGGTATCTCC TTGTTCTATT

61 TTTCTGCCA ACTTCATACC CTCCAGCGTA TAGTGTGAG GTTGGTCTG TTGCTGTGTA
 AAAGACGGGT TGAAGTATGG GAGGTCGCAT ATCACAACTC CAAACCAGAC AACGACACAT

121 TTGTAATGTA ATGTTAAATT CTCTACCTGA AGGTCTAGGC CTACAAGTGA ATTCTCATGT
 AACATTACAT TACAATTAA GAGATGGACT TCCAGATCCG GATGTTCACT TAAGAGTACA

181 TTATAGAGTT TTGTTGTGCA AACCTTGTTC CTTAATTAA AACTATGGTT AAAAAACAAA
 AATATCTCAA ACAACACGT TTGGAACAAG GAATTAAATT TTGATACCAA TTTTTGTTT

241 ACAAAACCTGG CTACAGCCAA TAACTGAAGG GGGTTACCTT GTGAAAGGGG TGGAAAAGAG
 TGTTTGACC GATGTCGGTT ATTGACTTCC CCCAATGGAA CAACTTCCCC ACCTTTCTC

301 AGAGGAGGAA GAAGGGAGTT CAAGAGAAGG AGAAGAACAA GAGGAGAGGA GGAAGCTGCC
 TCTCCCTCTT CTTCCCTCAA GTTCTCTTCC TCTTCTTGT CTCTCTCTC CCTTCGACGG

361 ACGAGGGGAG ATGGGCCATG AGAACCTGGC CAGGAGAAAT AGCCAGTATC TGGAGTACAC
 TGCTCCCCTC TACCCGGTAC TCTTGAACCG GTCCTCTTTA TCGGTCACTAG ACCTCATGTG

421 CACTGAGGAG GTAGCCAGGC TAGCAGTTAG AAGAGTAGAT TAGGGTTAT TTTTCCCCA
 GTGACTCCTC CATCGGTCCG ATCGTCAATC TTCTCATCTA ATCCCCAATA AAAAGGGGGT

481 CTCCACATAG TTATCAAAGC CAAATAAAAT AACCATAGTC TGAGTCTCAT CTATTTGAA
 GAGGTGTATC AATAGTTCG GTTTATTTA TTGGTATCAG ACTCAGAGTA GATAAACATT

541 GCTAGTTGGG TATAAGATTA ATTTGGCTGT ACTACAGTT AGATTTCTAA CATAGGAAC
 CGATCAACCC ATATTCTAA TAAACCGACA TGATGTCAAA TCTAAAGATT GTATCCTGA

601 ATCAAAAAC TGCTCAAACA AGAACATGCT GACAATATTT TAAATGATT ATTTATATTG
 TAGTTTGAA ACGAGTTGT TCTTGTACGA CTGTTATAA ATTTACTAA TAAATATAAC

661 TTTGCACTTT CTAAAGTTTC TTCTAAATGT TCCATGGTCA AATTAACAAA TATACATATT
 AACGTGAAA GATTCAAAG AAGATTACA AGGTACCAAG TTAATTTTT ATATGTATAA

721 GGCTATTAAA TTCGTCTAAG TGGGGCTGGA GAGATAGTC AGAGGTTAAG AGCACTGACT
 CCGATAATT AAGCAGATTC ACCCCGACCT CTCTATCGAG TCTCCAATTC TCGTACTGA

781 GCTCTCCAG AGGTCTGAG TTCAATTCCC AGCGACCACA TGGTGGCTCA CAGCCATCTG
 CGAGAAGGTC TCCAGGACTC AAGTTAAGGG TCGCTGGTGT ACCACCGAGT GTCGGTAGAC

841 TAATAGATAG GATCTGACGC CCTCTTCTGG AGTGTCTGAA GACAGCTACA ATGTACTCAT
 ATTATCTATC CTAGACTGCG GGAGAAGACC TCACAGACTT CTGTCGATGT TACATGAGTA

901 ATATATTAAA TAAATAATAT TAGAAAATTC TTCTAAGTGT ATCATTTATA GAATATTAA
 TATATAATT ATTATTATAA ATCTTTAAG AAGATTACA TAGAAATAT CTTATAAATT

961 TATATAAAAGT AAATGCCCTCA GGAAATATAA ACTTGGATT AAATCAAAGA ACTTCATGAG
 ATATATTCA TTTACGGAGT CTTTATATT TGAACCTAA TTTAGTTCT TGAAGTACTC

1021 TAGTGGGCCA CAAAAAAATGT GTACCAAGGGG AAGACCGGAG GGAGGGGAGA AGGAAGGGAT
 ATCACCCGGT GTTTTTACA CATGGTCCCC TTCTGGCTC CCTCCCTCT TCCTTCCCTA

1081 GGAGATAGAA TTTTGCCTCT GCATTCCTG GGCTGGCACA GGTATAATGC TGTGGAAATT
 CCTCTATCTT AAAACGGAGA CGTAAGGAAC CCGACCGTGT CCATATTACG ACACCCTAA

1141 GGGAAACTAC AAGGAAGCTG CAAAGCTGGG CGGAACCTCGT TTCCGCAAGC TGGGCTCATC
 CCCTTGATG TTCCTTCGAC GTTTCGACCC GCCTTGAGCA AAGGCAGTC ACCCGAGTAG

1201 TAAGTGTCCA TGCATGGCTG CCACACTGCA GTGAACTTA AAACATTGT GTTCCAGAGA
 ATTACACAGGT ACGTACCGAC GGTGTGACGT CACTGAAAT TTTGTAAACA CAAGGTCTCT



Figure 12 (cont.)

1261	TGTAGAGATG CTCACAATAG TACAAAGGCG GGAGGGAGGT ATTTCCAGAC TAAGAGGAAG ACATCTCTAC GAGTGTATC ATGTTCCGC CCTCCCTCCA TAAAGGTCTG ATTCTCCTTC
1321	AAAAACCATT GCTGATTAAA CATCTGCATA TGAGCGCCCC CACCTCCATA CACACACACA TTTTGGTAA CGACTAATT GTAGACGTAT ACTCGGGGG GTGGAGGTAT GTGTGTGTGT
1381	CACACACACA CACACACACA CAACCAAACA GAACAAATAC ACATGCATGT CTACAGCCTG GTGTGTGTGT GTGTGTGTGT GTGGTTTGT CTTGTTATG TGTACGTACA GATGTCGGAC
1441	CAGGAACAAA ATGGTATGTC TGTGAGGAAC CAGGAGATGC ACAGGTCCTA ACCTCTGTCT GTCCTTGTGTT TACCATACAG ACACTCCTG GTCCTCTACG TGTCCAGGAT TGGAGACAGA
1501	CCTACAAGCC CTGAAGTCTG GTCAGGGTCA AATGTACAAA AGCAGGCTAA GGAAGCTGTT GGATGTTCGG GACTTCAGAC CAGTCCCAGT TTACATGTT TCCTCCGATT CCTTCGACAA
1561	TAGTGAAGA TTTTTTCTT CAACTCTAGG AACAAACCTAT TTCTAGGAT TTGGAGAGTG ATCACTTCT AAAAAAAAGAA GTTGAGATCC TTGTTGGATA AAGGATCCTA AACCTCTCAC
1621	CTCAGGAGGA AACATTCAGA CAACTGATGC TCTCTGTGTA CCCCAGATTC AGGTATTGGG GAGTCCTCCT TTGTAAGTCT GTTGAACATAG AGAGACACAT GGGGTCTAAG TCCATAACCC
1681	GTAGTTAGTT GTGCTCATGT ATGTGCTAGA TATATTAGCA CAGCCTGCCT TCTGCTGCAC CATCAATCAA CACGAGTACA TACACGATCT ATATAATCGT GTGGACGGG AGACGACGTG
1741	AACGCCCTAG AGACCCGGCC TTTCAATGAG CTTAGCTGT GCTCTGTTTC TGCTCTCTTA TTGCGGAATC TCTGGGCCGG AAAGTTACTC GAATCGAACAA CGAGACAAAG ACGAGAGAAT
1801	GGTCTAAACT ATGGTGTCAAG TTTTAATAGA ACAAAAGTAT GCATCTTGCC TTGGCTTGAG CCAGATTGTA TACCACAGTC AAAATTATCT TGTTTCATA CGTAGAACGG AACCGAACTC
1861	CCTTTCTGTT TTCAATGCTG ACTTCTCCCC TTTCTCTCCT GTGCTCACCT TACCTTCCA GGAAAAGCAA AAGTACGAC TGAAGAGGGG AAAGAGAGGA CACGAGTGGG ATGAAAGGT
1921	GAGTGTAAAGG GACAACCTTT AAGGAGGCGT GTCCCTGGTA GGGGCATCCC TGTTACCCAG CTCACATTCC CTGTTGAAAA TTCCCTCGCA CAGGGACCAT CCCCCTAGGG ACAAGTGGTC
1981	GTGCCTGTCA TCACCCCCACT TGACTGACAT CTACCCCTGGT GACTATGGGT TCCTCTTGTT CACGGACAGT AGTGGGGTGA ACTGAACGTG GATGGGACCA CTGATACCCA AGGAGAACAA
2041	TGTAGGGAAC GGTGGCTCCA GGTGGAGGA TCAATCTGTT GGGTCTGGT TCCCCTGTC ACATCCCTTG CCACCGAGGT CCACCTCCGT AGTTAGACAA CCCAAGACCA AGGGCCGACG
2101	CTTTGGTTTT GAAAGTCTCT TCTCTGTATA TTCCTACCT GCATTTGCTT TGTGTGGTGC GAAACCAAAA CTTTCAGAGA AGAGACATAT AAGGATGGG CGTAAACGAA ACACACCACG
2161	TGATGCTGTG CGCAGCAGGA TTCTGGATG ACTCTCCATC AGTCACAGAC TCCCCCTGTT ACTACGACAC CGTCGTCTT AAGAACCTAC TGAGAGGTAG TCAGTGTCTG AGGGGGACAA
2221	GCAAAGTGTGTC AGGCTGACTC GACAGTCACC GTAAAATCTG AGTCAGTCAC ACACAGGCTG CGTTTACAG TCCGACTGAG CTGTCAGTGG CATTTCAGAC TCAGTCAGTG TGTGTCCGAC
2281	TCAGCCACGG CTTCCACTTG CATGGCTATT CTATTTTCAC ACGTGAGTTT CTGTTGCTGG AGTCGGTGCCT GAAGGTGAAC GTACCGATAA GATAAAAGTG TGCACTCAA GACAACGACC
2341	CTGGCTGACT GGCATTATCT ATGCTAAGTT GAAATCAGGG GTGCCAGCA GAGCCCACCA GACCGACTGA CCGTAATAGA TACGATTCAA CTTAGTCCC CACGGGTCGT CTCGGGTAGT
2401	TTCTCACTGT CTTGAAACA AAGCTGTACG GTTGATCGA TGAACGTATT TAAAGCATT AAGAGTGACA GAAACTTGTGTT CGACATGC CAAACTAGCT ACTTCATCAA ATTCGTAAA
2461	CATGCAATGA CAAAGTGCTC AGTAGTGGAA GGCAGGCTGT GACCAGTCTG CCTGCTCCTT GTACGTTACT GTTTCACGAG TCATCACCTT CGTCAGAC CTGGTCAGAC GGACGAGGAA



Figure 12 (cont.)

2521 ACTATAATTG TGAGGATTG TTACTGGAAC AGTACATGGA GCCCTGACCT TGTGGGGCA
 TGATATTAAC ACTCCTAAC AATGACCTTG TCATGTACCT CCGGACTGGA ACACCCCCGT

2581 CAGGGTGGAA CCTTAGCTGA ATATAGTGTG TGTCTCAAGA GGAAGTCAGG GTACTAGCTC
 GTCCCACCTT GGAATCGACT TATATCACAC ACAGAGTTCT CCTTCAGTCC CATGATCGAG

2641 AGTGCTCAAT CTCCAGGTAC TATATATACA TTTGCCGTT TTATCTCTAA TGTGAAATAA
 TCACGAGTTA GAGGTCCATG ATATATATGT AACCGGGCAA AATAGAGATT ACACCTTATT

2701 ATCCCCAAC ACTTGTATT CGGTAGCGT ACCTAAAAGA CTATTCTATT ATGGGTGTCC
 TAGGGGTTTG TGAACAAATAA GCACATCGCA TGGATTTCT GATAAGATAA TACCCACAGG

2761 CCACTTCTT GGTTGGTCA CCCCCATCCC CCGGTCTTCT GCTGTATCTA GAACAGTGAC
 GGTGAAAGAA CCAAACCACT GGGGCTAGGG GGCCAGAAGA CGACATAGAT CTTGTCACTG

2821 TATAATGAT GTATGGGAAT AGTGTTCCTA TATGATCTGT TGTCTGGAGT ATATGCTACA
 ATATTTACTA CATAACCCTTA TCACAAAGGT ATACTAGACA ACAGACCTCA TATACGATGT

2881 TGTTCATTTA CTGTACAAAA ACCCAGTGCA GCTGTAGATG CAAAGCAGTC TCTCTGTG
 ACAAGTAAAT GACATGTTT TGGGTCACGT CGACTACTAC GTTTCGTCAG AGAGAGACAC

2941 TACAGTGCCTT CACCTATTAA AAAATCACGT ACTTGCCAG AACACTGTGA AACACTTAAC
 ATGTCACGGG GTGGATAAAAT TTTTAGTGCAT TGAACGGGTC TTGTGACACT TTGTGAATTG

3001 ATAAGAACAA ACGCAGCGTC TGGATTCTTT CCAAGGAGAG CAGCTTCTC CACAGGAACA
 TATTCTTGTGTT TGCGTCGAG ACCTAAGAAA GGTTCCCTCTC GTCGAAAGAG GTGTCCTTGT

3061 CAGTAACAAA AGAGGTCCGC CGCCATCCAC ACCCAGCCAA GACACCTCAG AGGCCATAGG
 GTCATTGTTT TCTCCAGGCG GCGGTAGGTG TGGGTCGGTT CTGTGGAGTC TCCGGTATCC

3121 GACAACCTCC TTGCTGGCCA ACACCTGCTG GAGCAGGGGC ACAGGTCCCA GCAACTGATC
 CTGTTGGAGG AACGACCGGT TGTGGACGAC CTCGTCCCCG TGTCAGGGT CGTTGACTAG

3181 CTCAGTGGAT GGGTCTGCAG CCAAAGCCTT AATGGGCTCT CTTTGAGG GGAAAGAAAG
 GAGTCACCTA CCCAGACGTC GGTTTCGGAA TTACCCGAGA GAAAACTTCC CCTTTCTTTC

3241 AATTTCAAGC TTATGATATC CAATATTATT ATAGTTGATG AGTTAGTAAA TTCCAAAAAA
 TTAAAGTTCG AATACTATAG GTTATAATAA TATCAACTAC TCAATCATT AAGGTTTTT

3301 AAAAGATGAT TTTATATGTA TGACATAAAA AAAATCTTG TAAAGTGCAG AAGTGAATA
 TTTTCTACTA AAATATAACAT ACTGTATT TTTTAGAAC ATTTCACGCG TTCACGTTAT

3361 ATTTAAAGAG GTCTTATCTT TGCATTTATA AATTATAAAAT ATTGTACATG TGTGTAATTT
 TAAATTCTC CAGAATAGAA ACGTAAATAT TTAATATTAA TAACATGTAC ACACATTAAC

3421 TTCATGTATT CATTGCACT CTTGTATT AAAAAGACTT TACTGTTATG TTTGTATAAT
 AAGTACATAA GTAAACGTCA GAAACATAAA TTTTTTGAA ATGACAATAC AAACATATTA

3481 AGAACATTAA TCATTTATTA TAACTCAGAC AAGGTGAA TAAATTCAATA ATTCAAAACAG
 TCTTGTAAATT AGTAAATAAT ATTGAGTCTG TTCCACATTT ATTTAAGTAT TAAGTTGTC

3541 CCAGTATATA TGCATATATG GGTGTTACAT TGCAAAATC TCTATCTTG TTCTATTAC
 GGTATATAT ACGTATATAC CCACAATGTA ACCTTTAG AGATAGAAAC AAGATAAGTG

3601 ATGCTAAAG AAGTAAGAAA TCTTTGTGG ATATGTAATT ATACATATAA AGTATATATA
 TACGAATTTC TTCATTCTT AGAAAACACC TATACATTAA TATGTATATT TCATATATAT

3661 TATGTATGAT ACATGAAATA TATTAGAAA TGTTCATTAAT TTTAATGGAT ATTCTTG
 ATACATACCA TGTACTTTAT ATAAATCTT ACAAGTATTA AAATTACCTA TAAGAAACCA

3721 GTGAATAATT GAATACAACA TTTTAAAT AAAAAAAA AAAAAAAA AAAAAAAA
 CACTTATTAA CTTATGTTGT AAAAATTAA TTTTTTTTT TTTTTTTTT TTTTTTTTT



Figure 12 (cont.)

3781	AAAAA TTTTTTTT TTTTTTTTT TTATTCCAGA GATTAAGAC ACTAGATCTT TAACCTTGAA TTTTAAAAAA AAAAAAAAATAAGGTCT CTAATTCTG TGATCTAGAA ATTGGAACCTT
3841	GGGCAGGCAA GAGGTCGGCA ATGCTGTCAA CATAGAAGTC AGGGACCATT TTCTCTTGA CCCGTCCGTT CTCCAGCCGT TACGACAGTT GTATCTTCAG TCCCTGGTAA AAGAAGAACT
3901	ACATGCAGTC ACTTTCCCTGA TTGCTCTTCA CATCCTCAAG GCTCCGGAAT TCCGGGGGTG TGTACGTCAAG TGAAAGGACT AACGAGAAGT GTAGGAGTTC CGAGGCCCTA AGGCCCCCAC
3961	TGGTGGGCTT TGATCTCAGG ACTCTGGAGG CAGAAGCAGG CAGATCTCTG TGAATATGAG ACCACCCGAA ACTAGAGTCC TGAGACCTCC GTCTTCGTCC GTCTAGAGAC ACTTATACTC
4021	GCCAGCCTGC ACTACACAGA GCTCCAGACC AGTCATGGCT ACATCATGAA ACCCTGTCTC CGGTCGGACG TGATGTGTCT CGAGGTCTGG TCAGTACCGA TGTAGTACTT TGGGACAGAG
4081	AAAAAGAAAA TAAAAACTGT TGTGTTCTA CCATAGTGTAAACTCAGAG TCTGAGTAAT TTTTCTTTT ATTTTGACA ACACAAAGAT GGTATCACAA TTTGAGTCTC AGACTCATTAA
4141	GTCGGGCTGA CATGCTCGGG TGTTAACAT ACCTTCAGCT TTGACGAGGC GCTGAACAGT CAGCCCGACT GTACGAGGCC ACAAAATTGTA TGGAAGTCGA AACTGCTCCG CGACTTGTCA
4201	CAAAGTCTGG CCTTGGGGAG CGGTGGCTGT GTTTGTGCTC AAGTCCACCG TGAAATCTG GTTTCAGACC GGAACCCCTC GCCACCGACA CAAACACGAG TTCAGGTGGC ACTTTAGGAC
4261	ATTGTGAATT TGGACAACCG TGTCCTTCTT CTTGGCCTTC CATGCAACCT CCAACTTCAT TAACACTTAA ACCTGTTGGC ACAGGAAGAA GAACCGGAAG GTACGTTGGA GGTTGAAGTA
4321	GTTGGTCATT TTGTCAAAAC ACTGTGTGAT GTTTTATCA ATATACTGCC ATTCCACATA CAACCAGTAA AACAGTTTG TGACACACTA CAAAAATAGT TATATGACGG TAAGGTGTAT
4381	TGTAGAGATG TAGTCTGCCT GGCTTCCCTT TTCTTTAGCC AATCGAATGC TCTTGATCAT ACATCTCTAC ATCAGACGGA CCGAAAGGAA AAGAAATCGG TTAGCTTACG AGAACTAGTA
4441	GCCCTCAATC TCATCTCTAG CTTTATCAC GTCTCTGCTA ATTCTGAAA CTTGAATCGA CGGGAGTTAG AGTAGAGATC GAAAATAGTG CAGAGACGAT TAAGGACTTT GAACCTTAGCT
4501	AGTTTCTTC TGTTTCATCT CAATGGTGAT GTTCAGTTCC TTCTGAATCT CATTCACTTT TCAAAAGAAG ACCAAGTAGA GTTACCACTA CAAGTCAGG AAGACTTACA GTAAGTCAAA
4561	CTCGTACTCC TCCATGTCAA AGTCACTGAC ACACTCATCG TCATTGGTGT AGGAAAGCTG GAGCATGAGG AGGTACAGTT TCAGTGACTG TGTGAGTAGC AGTAACCACCA TCCTTTCGAC
4621	CTCTTGGTA ATCAGTTCC TTAGCCAGGA GATTGTTTG TTCACACTGT CTACCCCTGA GAGAAACCAT TAGTCAAGGA AATCGGTCTT CTAACAAAAC AAGTGTGACA GATGGGACT
4681	ACCACATACC TGGAAAATG TGTGCTCTAT TTTCTTTCC AAAACCAGGG TGTCTTTT TGGTGTATGG ACCTTTGAC ACACGAGATA AAAGAAAAGG TTTGGTCCC ACAAGAAAAA
4741	GGGGAAAGCT TGCTTGGAA AGCCAAGAAA GGCTAAAGAG AAAATGGAAA TTAATGTTTC CCCCCTTCGA ACGAACCCCTT TCGGTTCTTT CCGATTCTC TTTTACCTTT AATTACAAAG
4801	TTTTACTCCC TTCAACATCA AGGTTAGGAA TATGTATTC ATAAAAGCTA ACAACTCACA AAAATGAGGG AAGTTGTAGT TCCAATCCTT ATACATAAAG TATTTTCGAT TGTGAGTGT
4861	GGCAATCTTA GACATCACTG ACTGCTGGC AGGCAGTC TTGGGGGGAG CTGGAGAGCC CCGTTAGAAT CTGTAGTGAC TGACGAACCG TCCGCTGACG AACCCCCCTC GACCTCTCGG
4921	TTCTCTTCT TTCAATGTTGT CGTAAAAAAA TTGCAGAATA TGGGGCTGGA AGATAACAAC AAGAGAAAAGA AAGTACAACA GCATTTTTT AACGTCTTAT ACCCGACCT TCTATTGTTG
4981	TTTAACCTCTC TTCAACAGCCT GCACTGATT TTTCTGGACA AATCTTCAGA TGGCATCTAT AAATTGAGAG AAGTGTGAGA CGTACTAAA AAAGACCTGT TTAAGAAGTT ACCGTAGATA



Figure 12 (cont.)

5041	TATCGCTTT GCTACTACGT TTGGGTCTG TTGAGCATT CCTCAAAAA CAAAAAAAGC ATAGCGAAAA CGATGATGCA ACCCAGGAC AACTCGAAA GGAAGTTTT GTTTTTTCG
5101	ACATTTTAA AAAGTCAGG TTAAGATCCA CCTCAAAAA AAAGCTGAA TATAAGCGAG TGTAAAAATT TTTCAGTTCC AATTCTAGGT GGACGTTTT TTTCGACGTT ATATTGCTC
5161	GAATTCTAGT TGTACAGGA AATAAAAATG TCTGTTCCA CTATAATCAA TGTAGACTGA CTTAAGATCA ACAGTGTCT TTATTTTAC AGACAAGGGT GATATTAGTT ACATCTGACT
5221	TAATATTATG CCAGCAAATA GTTTGAAGT CCTAGGCACA GTGGGAGGAG GTTTGTTCC ATTATAATAC GGTCGTTAT CAAAACCTCA GGATCCGTGT CACCCTCCTC CAAAACAAGG
5281	ACGCTGTTCA TAAGCCAATA CCCAGCAAA AGACCTAAA GGACAACCTG TAATTTGGGA TGCGACAAGT ATTGGTTAT GGGTCGTT TCTGGAATT CCTGTTGAAC ATTAAACCT
5341	CATTCACATC TGTCTCTTC ATCTGATCTG GCTCCCAGTG TCACTCTCA ACACGGCCT GTAAGTGTAG ACAGGAGAAG TAGACTAGAC CGAGGGTCAC AGTGAGAGAT TGTGCCAGGA
5401	TAGAGGGACA ATTTATCCCT GCCTCTGCTT GATCTTATGC ATGTATCTGT ATTCTTCCAG ATCTCCCTGT TAAATAGGGA CGGAGACGAA CTAGAATACG TACATAGACA TAAGAAGGTC
5461	CCATCCCTGG CGACCTGATT TTTCTAAGGC ACCCAAAACT GTAAGCTACT TCTTATAATC GGTAGGGGACC GCTGGACTAA AAAGATTCCG TGGGTTTGAA CATTGATGA AGAATATTAG
5521	TATAATTCTG AGCATATTAG TTAGCCTGAG CCTCCAGGAT ATCTTCTTC CCTATACTCA ATATTAAGAC TCGTATAATC AATCGGACTC GGAGGTCTA TAGAAAGAAG GGATATGAGT
5581	GTCCAGTTT AGCTGCCAG AAGGATTCAA AGCTGATCTA CGAGTAGATC ACTCCTGTCT CAGGTCAAAA TCGACGGGTC TTCCTAAGTT TCGACTAGAT GCTCATCTAG TGAGGACAGA
5641	ACAGCTTGTGTT CCAGATCTG TTTCTCAAGC CCTGGAAGCC ATCAGCCAGG TAAGATTGTA TGTGAAACAA GGTCTAGAAC AAAGAGTTCG GGACCTTCGG TAGTCGGTCC ATTCTAACAT
5701	AAACAATCCC TTTCTAATCA TGGGTGTGGC CCAAAGTCAA TGCCGGAAT TC TTTGTAGGG AAAGATTAGT ACCCACACCG GGTTCACTT ACCGGCCTTA AG



Title : Gene Necessary for Striatal Function...
Inventor(s): Robertson, et al.
Application No.: 10/659,770
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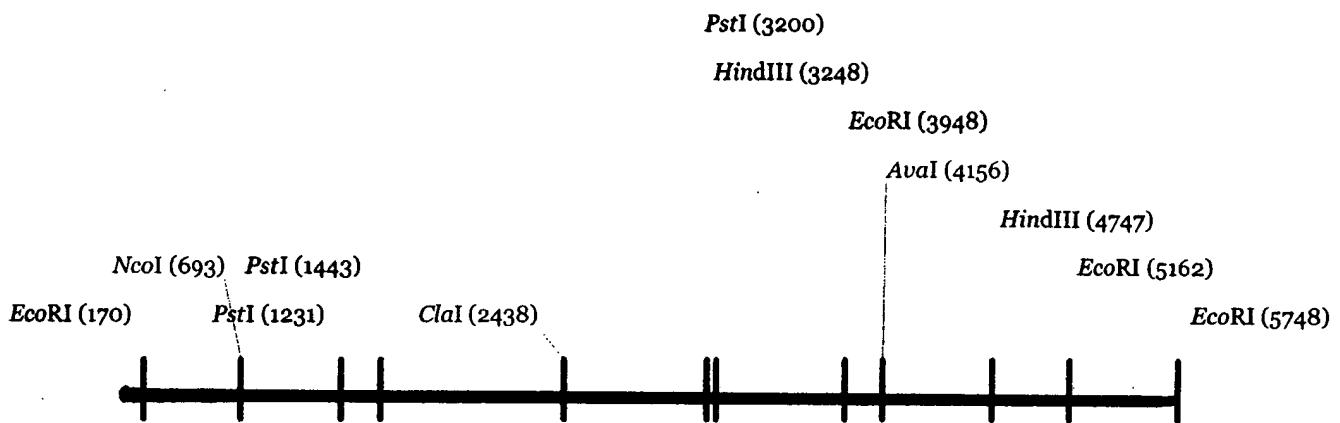


Figure 13

5752 bp



Title: Gene Necessary for Striatal Function...
Inventor(s): Robertson, et al.
Application No.: 10/659,770
Docket No.: 2817/102
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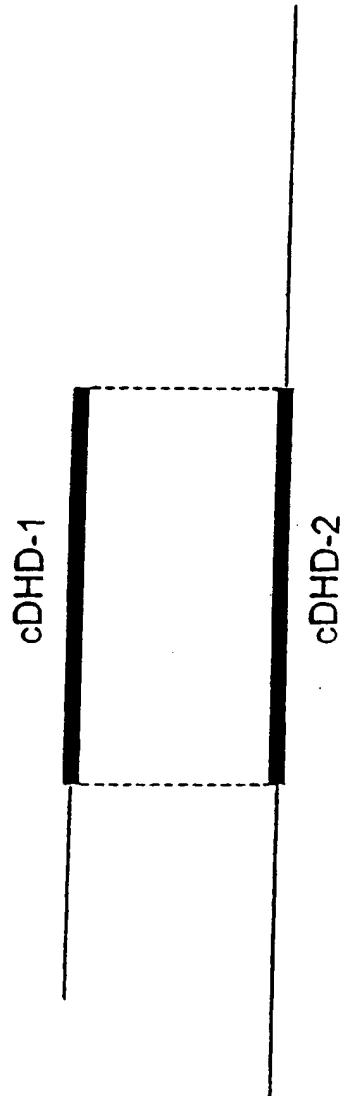


Figure 14



Figure 15

1	CGCCCGGGCA GGTCTGTTGG AGGGCAGTTG GTCAACCTGA CCAGAGAGAG CTGAGCTGGA GCGGGCCCGT CCAGACAACC TCCCGTCAAC CAGTTGGACT GGTCTCTCTC GACTCGACCT
61	AGACCCCCACT GATGGTGTGC TGCCCTTCAG TCCAGGAAGA AAGAAAGGAA GGATTCTGAG TCTGGGGTGA CTACCACACG ACGGAAAGTC AGGTCCCTCT TTCTTTCTT CCTAAGACTC
121	GATTTGGGCA AAGCCACATT CCTGGAGAAG TCTGTATACT GATGCCAAC CCAAGAGCTG CTAAACCCGT TTCGGTGTAA GGACCTCTTC AGACATATGA CTACGGTTG GGTTCTCGAC
181	AGCTGCTGAT GAGGCCAGG GAGTAGCCCA CGCGCCCTGA GCTGTTGGCT AGCAAGGCCT TCGACGACTA CTCCGGGTCC CTCATCGGGT GCGCGGGACT CGACAACCGA TCGTTCCGGA
241	TCCTGCTCCA TGTGGCATGG AAAAATTATA TGGTTTGACG GATGAAAGG TGAAAGCCTA AGGACGAGGT ACACCGTACC TTTTAATAT ACCAAACTGC CTACTTTCC ACTTCCGGAT
301	TCTTCTCTC CATCCCCAGG TATTAGATGA ATTTGTTCT GAAAGTGTGA GTGCAGAGAC AGAAAGAGAG GTAGGGTCC ATAATCTACT TAAACAAAGA CTTCACAAAT CACGTCCTG
361	TGTGGAAAAG TGGCTGAAGA GGAAAACCAA CAAAGCAAAA GATGAACCAT CTCCCAAGGA ACACCTTTTC ACCGACTTCT CCTTTGGTT GTTCGTTT CTACTGGTA GAGGGTTCCCT
421	AGTCAGCAGG TACCAAGGATA CGAATATGCA GGGAGTCGTG TAGAGCTGA ACAGCTACAT TCAGTCGTCC ATGGTCCTAT GCTTATACGT CCCTCAGCAC ATGCTCGACT TGTGATGTA
481	AGAGCAGCGC CTGGACACGG GCGGGGACAA CCACCTGCTC CTCTATGAGC TCAGCAGCAT TCTCGTCGCG GACCTGTGCC CGCCCGTGT GGTGGACGAG GAGATACTCG AGTCGTCGTA
541	CATCAGGATA GCCACAAAAG CCGACGGATT TGCACTGTAC TTCCCTGGAG AGTGCAATAA GTAGTCCTAT CGGTGTTTC GGCTGCCTAA ACGTGACATG AAGGAACCTC TCACGTTATT
601	TAGCCTGTGT GTGTTCATAC CACCCGGGAT GAAGGAAGGC CAACCCCGGC TCATCCCTGC ATCGGACACA CACAAGTATG GTGGGCCCTA CTTCCCTCCG GTTGGGGCCG AGTAGGGACG
661	AGGGCCCATC ACCCAGGGTA CCACCATCTC TGCCTACGTG GCCAAGTCTA GGAAGACGTT TCCCGGGTAG TGGGTCCCCAT GGTGGTAGAG ACGGATGCAC CGGTTCAGAT CCTCTGCAA
721	GTTGGTAGAG GATATCCTTG GGGATGAGCG ATTCCTCGA GGTACTGGCC TGGAATCAGG CAACCATCTC CTATAGGAAC CCCTACTCGC TAAAGGAGCT CCATGACCGG ACCTTAGTCC
781	AACCCGCATC CAGTCGTTC TTTGCTTGCC CATTGTCACT GCCATTGGAG ACTTGATTGG TTGGCGTAG GTCAGACAAG AAACGAACGG GTAACAGTGA CGGTAACCTC TGAACTAACC
841	CATCCTGAA CTGTACAGGC ACTGGGGCAA AGAGGCCCTC TGCCTCAGCC ATCAGGAGGT GTAGGAACCTT GACATGTCCG TGACCCCGTT TCTCCGGAAG ACGGAGTCGG TAGCCTCCA
901	TGCAACAGCC AATCTGCTT GGGCTTCCGT AGCAATACAC CAGGTGCAGG TGTGTAGAGG ACGTTGTCGG TTAGAACGAA CCCGAAGGCA TCGTTATGTG GTCCACGTCC ACACATCTCC
961	TCTGCCAAA CAGACCGAAC TGAATGACTT CCTACTCGAC GTATCAAAGA CATACTTGA AGAGCGGTGTT GTCTGGCTTG ACTTACTGAA GGATGAGCTG CATAGTTCT GTATGAAACT
1021	TAACATAGTT GCCATAGACT CTCTACTTGA ACACATCATG ATATATGCAA AAAATCTAGT ATTGTATCAA CGGTATCTGA GAGATGAAC TGTGTAGTAC TATATACGTT TTTAGATCA
1081	GAACGCCGAC CGCTGCCGCC TCTTCCAGGT GGACCACAAG AACAGGAGC TGTACTCGGA CTTGCAGCGCTG GCGACGCCGCG AGAACGGTCCA CCTGGTGTTC TTGTTCCCTCG ACATGAGCCT
1141	CCTGTTGAC ATTGGGGAGG AGAAGGAGGG GAAGCCCATC TTCAAGAAGA CCAAGGAGAT GGACAAAAGT TAACCCCTCC TCTTCCTCCC CTTCGGGTAG AAGTTCTCT GGTTCCCTCTA
1201	CAGATTTC C ATTGAGAAAG GGATTGCTGG TCAAGTGGCA AGAACAGGCG AAGTCTTGAA GTCTAAAAGG TAACCTTTTC CCTAACGACC AGTTCACCGT TCTTGTCCGC TTCAGAACTT

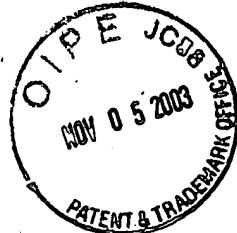


Figure 15 (cont.)

1261	CATTCCCGAT GCCTACGCGG ACCCTCGCTT TAACAGGGAG GTGGACCTGT ACACAGGCTA GTAAGGGCTA CGGATGCGCC TGGGAGCGAA ATTGTCCCTC CACCTGGACA TGTGTCGAT
1321	CAACCACGAGG AACATTCTGT GTATGCCAT AGTGAGCCGA GGCAGCGTGA TTGGCGTGGT GTGGTGCTCC TTGTAAGACA CATACTGGTA TCACTCGGCT CCGTCGCACT AACCGCACCA
1381	GCAGATGGTG AACAAAGATCA GCGGTAGCGC CTTCTCCAAG ACAGACGAGA ACAACTTCAA CGTCTACCAAC TTGTTCTAGT CGCCATCGCG GAAGAGGTTC TGTCTGCTCT TGTTGAAGTT
1441	GATGTTGCT GTCTTCTGCG CACTGGCCTT GCACTGTGCT AACATGTACC ACAGGATCCG CTACAAACGA CAGAAGACGC GTGACCGGAA CGTGACACGA TTGTACATGG TGTCTTAGGC
1501	CCACTCAGAA TGCATCTACA GGGTTACCAT GGAGAAGCTT TCCTTACACCA GCATCTGCAC GGTGAGTCTT ACGTAGATGT CCCAATGGTA CCTCTTCGAA AGGATGGTGT CGTAGACGTG
1561	CTCCGAGGAG TGGCAAGGCC TCATGCGCTT CAACCTACCA GCACGCATCT GCCGGGACAT GAGGCTCCTC ACCGTTCCGG AGTACCGA GTTGGATGGT CGTGCCTAGA CGGCCCTGTA
1621	CGAGCTATTG CACTTGTACA TTGGTCTTT CGAGAACATG TGGCCTGGGA TCTTTGTCTA GCTCGATAAG GTGAAAATGT AACCAAGGAAA GCTCTTGAC ACCGGACCCCT AGAAACAGAT
1681	CATGATCCAT CGGTCTTGTG GGACATCCTG TTTTGAACCTT GAAAAATTGT GCCGTTTTAT GTACTAGGTA GCCAGAACAC CCTGTAGGAC AAAACTGAA CTTTTAACCA CGGCAAAATA
1741	CATGTCCTGTG AAGAAGAACT ATCGGCGGGT TCCTTACAC AACTGGAAGC ATGCAGTCAC GTACAGACAC TTCTTCTTGA TAGCCGCCA AGGAATGGTG TTGACCTTCG TACGTCACTG
1801	GGTGGCACAC TGCATGTATG CCATACTTCA AAACAACAAT GGCCTCTTCAGACCTCGA CCACCGTGTG ACGTACATAC GGTATGAAGT TTTGTTGTTA CCGGAGAAGT GTCTGGAGCT
1861	GCGCAAAGGC CTGCTAATTG CGTGTCTGTG CCATGACCTG GACCACAGGG GCTTCAGTAA CGCGTTCCG GACGATTAAC GCACAGACAC GGTACTGGAC CTGGTGTCCC CGAAGTCATT
1921	CAGCTACCTG CAGAAGTTCG ACCACCCCT GGC GGCGCTG TACTCCACCT CCACCATGGA GTCGATGGAC GTCTTCAAGC TGGTGGGGGA CGCCCGCGAC ATGAGGTGGA GGTGGTACCT
1981	GCAACACCAC TTCTCCCAAGA CGGTGTCCAT CCTTCAGCTG GAAGGGCACA ATATCTTCTC CGTTGTGGTG AAGAGGGTCT GCCACAGGTA GGAAGTCGAC CTTCCGTGT TATAGAAGAG
2041	CACCCGTGAGC TCCAGCGAGT ACGAGCAGGT GCTGGAGATC ATCCGCAAAG CCATCATCGC GTGGGACTCG AGGTCGCTCA TGCTCGTCCA CGACCTCTAG TAGGCCTTTC GGTAGTAGCG
2101	CACCGACCTC GCCCTATACT TTGGGAACAG GAAGCAGTTG GAGGGAGATGT ACCAGACAGG GTGGCTGGAG CGGGATATGA AACCTTGTG CTTCTCAAC CTCCTCTACA TGGTCTGTCC
2161	GTCGCTGAAC CTCCACAAACC AGTCCCATCG AGACCGTGTG ATCGGCTTGA TGATGACTGC CAGCGACTTG GAGGTGTTGG TCAGGGTAGC TCTGGCACAG TAGCCGAACT ACTACTGACG
2221	CTGTGATCTT TGCTCTGTGA CCAAACATATG GCCAGTTACA AAATTGACAG CGAATGATAT GACACTAGAA ACGAGACACT GGTTGATAC CGGTCAATGT TTTAACTGTC GCTTACTATA
2281	ATATGCAGAA TTCTGGGCTG AGGGTGTGATGA GATGAAGAAG CTGGGCATAC AGCCCATTCC TATACGTCTT AAGACCCGAC TCCCCTACT CTACTTCTTC GACCCGTATG TCGGGTAAGG
2341	TATGATGGAC AGAGACAAAGC GAGATGAAGT CCCTCAAGGG CAGCTCGGAT TCTACAATGC ATACTACCTG TCTCTGTTG CTCTACTTCA GGGAGTTCCC GTGGAGCCTA AGATGTTACG
2401	TGTGGCCATT CCCTGCTATA CCACCTTGAC GCAGATCCTC CCACCCACAG AGCCTCTGCT ACACCGGTAA GGGACGATAT GGTGGAACGT CGTCTAGGAG GGTGGGTGTC TCGGAGACGA
2461	GAAGGCCTGC AGGGATAAAC TCAATCAGTG GGAGAAGGTA ATTGCGGGGG AAGAGACAGC CTTCCGGACG TCCCTATTGG AGTTAGTCAC CCTCTTCCAT TAAGCGCCCC TTCTCTGTGCG



Figure 15 (cont.)

2521	AATGTGGATT TCAGGCCAG GCCCGCGCC TAGCAAGAGC ACACCTGAGA AGCTGAACGT TTACACCTAA AGTCGGGTC CGGGCCGCGG ATCGTTCTCG TGTGGACTCT TCGACTTGCA
2581	GAAGGTTGAA GACTGATCCT GAAGTGACGT CCTGATGTCT GCCCAGCAAC CGACTCAACC CTTCCAACCTT CTGACTAGGA CTTCACTGCA GGACTACAGA CGGGTCGTTG GCTGAGTTGG
2641	TGCTTCTGTG ACTTCGTTCT TTTGTTTC AAGGGTGAA AACCCCCCTGT CAGAAGGTAC ACGAAGACAC TGAAGCAAGA AAAACAAAAG TTCCCCACTT TTGGGGGACA GTCTTCCATG
2701	CGTCGCATAT CCATGTGAAG CAGACGACTC CCTGCTTGCC GCACACACCT CGGACAGTGA GCAGCGTATA GGTACACTTC GTCTGCTGAG GGACGAACGG CGTGTGTGGA GCCTGTCACT
2761	GCAACCCAGG CTCTGCCGTG TTCAGACGTC GGCTACTCCG TGGCTCCACC TGACCTCCGA CGTTGGGTCC GAGACGGCAC AAGTCTGCAG CCGATGAGGC ACCGAGGTGG ACTGGAGGCT
2821	ATGCTATTTG CTCCCAGGCC AGCACTGCAC TGTCTGGAGG GGGCAGAGAC CACAGGAGAG TACGATAAAC GAGGGTCCGG TCGTGACGTG ACAGACCTCC CCCGTCTCTG GTGTCTCTC
2881	GTTCTTGCCT GCATCCTCCC ATGAGGGTGT GGCCAGTTCC CTAGTTCTGT GCCATGCTGC CAAGAACGGA CGTAGGAGGG TACTCCCACA CCGGTCAAGG GATCAAGACA CGGTACGACG
2941	TGCTTGGTGG CATTGGTTAG GAATGGGACA CACGCCCTT GTGTGAAGT TTACATGTGA ACGAACCACC GTAACCAATC CTTACCCCTGT GTGCGGGGAA CAACACTTCA AATGTACACT
3001	CCTTCTTATA GGTAACTGA GTTTGTGGCC TGGACACATG TAATGAAGGT CACAGTCCAC GGAAGAATAT CCAATTGACT CAAACACCGG ACCTGTGTAC ATTACTTCCA GTGTCAAGGTG
3061	AGGTGACAGA GAAATCCAAA CTGTTGATTA CAGGTGCACT ACAGGTATGC TCTTCAGTC TCCACTGTCT CTTAGGTTT GACAACATAAT GTCCACGTGA TGCCATACAG AGAAAGTCAG
3121	TATCTGGGGG CACATAGGTG AGTCTGCTCC ACTCAGAANN AAGCATAACCT CTGCCCTCAT ATAGACCCCC GTGTATCCAC TCAGACGAGG TGAGTCTNN TTCGTATGGA GACGGAGTA
3181	CCAGGGGACA CAGGGTACAT CCCAGGCATC GGGGAACTGA AGCTCTCACT TCAAACCATG GGTCCCCTGT GTCCCATGTA GGGTCCGTAG CCCCTTGACT TCGAGAGTGA AGTTGGTAC
3241	TCAAAGAATT AAAACACCTC CCCTCCCCCT CACTGTAGCC TTGACAAACT GCGCCAATCC AGTTCTTAA TTTGTGGAG GGGAGGGGA GTGACATCGG AAGCTGTTGA CGCGGTTAGG
3301	CTTTATACAA AGAAAATAAA AGTAAGGCAT ATAAATTTC TCCAGCAAGC AAATCTGTG GAAATATGTT TCTTTATTT TCATTCCGTA TATTTAAAGG AGGTGTTCG TTTAGAACAC
3361	GGTAAAAAAA AAGCATGTGA ATNNTAACAA CNTCTANANT NTCNCNGNAT GTTATGGCAG CCATTTTTT TTCGTACACT TANNATTGTT GNAGATNTNA NAGNGNCNTA CAATACCGTC
3421	AATTTAGTC ACGTCCAAAA CAAAAAGATT ATTCCAGAAG ATACCTCATC CTATGCCATGA TTAAAATCAG TGCAGGTTTT GTTTTCTAA TAAGGTCTTC TATGGAGTAG GATACGGACT
3481	AAGGCTCCAC AGCATGGCGT CCGTCTCCCC GGGTTCTGAT CCGTCTCCCTC ACGGTGCAAT TTCCGAGGTG TCGTACCGCA GGCAAGGGGT CCCAAGACTA GGCAAGGGAG TGCCACGTTA
3541	CAGGCAGGAC AGAGAGGAGG GCTGCAGGGC TACCACATTG ACCCAGAAGG TATCTCCCTCT GTCCGTCTG TCTCTCCCTC CGACGTCCCC ATGGTGTAAC TGTTCTTCC ATAGAGGAGA
3601	CACCATTCAG ACATCCATAA GGAATGCCAA ATGCTGTATT GAATAGTTCT CTGTGTGACT GTGGTAAGTC TGTAGGTATT CCTTACGGTT TACGACATAA CTTATCAAGA GACACACTGA
3661	TTCTAGAGAA GCCAGGACAC CCTGAGCCTT TCCNGGGAA CTCTAAGGAG TCACAGGTT AAGATCTCTT CGGTCTGTG GGACTCGGAA AGGNCCCTT GAGATTCCCTC AGTGTCCAAG
3721	ACACCGTGGG GATTTTCAGG ATAGCATGGA GACAGAGATC CGGTGTTGT TCTCACTCGT TGTGGCACCC CTAAAAGTCC TATCGTACCT CTGTCTCTAG GCCAGCAACA AGAGTGAGCA



Figure 15 (cont.)

3781	GAGCCTTGAG AAGGAGAGAC TGACCAGAAA CACTCACTCA GCACTCTGCA GGAGCAGGAG CTCGGAACTC TTCCCTCTG ACTGGTCTTT GTGAGTGTAGT CGTGAGACGT CCTCGTCCTC
3841	AAGATACTTT AAGATGAATC TTGGATAGAT TTTGATACAC CCAATACCAT ACACACAGGA TTCTATGAAA TTCTACTTAG AACCTATCTA AAACTATGTG GTTATGGTA TGTGTGTCCT
3901	GCTTGGCATT TGCAAAGTCT ATTCACTTTC CTTCCGCGCT CTGACCCACG GTTGTAGCGG CGAACCGTAA ACGTTTCAGA TAAGTCAAAG GAAGGCGCGA GACTGGGTGC CAACATCGCC
3961	AGTGGGCTGA ACACGTAAAC ACTGTACATG CGATTTCCCC ATGGGCTTCT AAAATGTCAC TCACCCGACT TGTGACATTG TGACATGTAC GCTAAAGGGG TACCCGAAGA TTTTACAGTG
4021	CATCTCCTCC CCTGCTGTGT CCTACTCCAT TTACTGGTTA CAAGGTGATG TCAACAAAGAG GTAGAGGAGG GGACGACACA GGATGAGGTA AATGACCAAT GTTCCACTAC AGTTGTTCTC
4081	AAGCTATCAC AACACCAGGG CTGTGCACAC GTGCACACAC ATGTATGCAC AAGCACACAG TTCGATAGTG TTGTGGTCCC GACACGTGTG CACGTGTGTG TACATACGTG TTGTTGTGTC
4141	ATGTATGTAC AGCACACACA CACACACACA CCCCCAAAGG AGAGAAAAGG AAGAAAACAT TACATACATG TCGTGTGTGT GTGTTGTGT GGGGTTTCC TCTCTTTCC TTCTTTGTA
4201	TTATAAAAAG CGACAGCTAC CCCATATCAA AATAGTCTTT CCTGTAGGAA ACAGGAGCTC AATATTTTC GCTGTCGATG GGGTATAGTT TTATCAGAAA GGACATCCTT TGTCTCGAG
4261	TCCATAAGGA ATTATCATGA GTGTGTTCTC CCATCAGTGC ACTCTCCCAG GGGTGTCA AGGTATTCCCT TAATAGTACT CACACAAGAG GGTAGTCACG TGAGAGGGTC CCCACGAGTG
4321	TGAAGCTGGT CCACRTCTAT AAACAGGTGA CACTGGCTGC AGCAAAAGC CATTGATCC ACTTCGACCA GGTGYAGATA TTTGTCCACT GTGACCGACG TCGTTTTCG GTAAGCTAGG
4381	ACACAAATTG ATCTTCTATC ATCTTGAAT CTGAATTGCA GGGAGGAGCA GYATGTAAGA TGTGTTAAC TAGAAGATAG TAGAACCTTA GACTTAACGT CCCTCCTCGT CRTACATTCT
4441	CGACCGTTA ATTCAAGGCAT TCCGAAGGCA TGAGCGCATG GATTCTRTCA CCAAGCGTAT GCTGGCAAAT TAAGTCCGTA AGGCTTCCGT ACTCGCGTAC CTAAGAYAGT GGTTCGCATA
4501	AAAAGGACCC TGGCATTGGG AAACCTATGA CGGACTGTGTT TTGCTGTAGA AGTAGGGATT TTTCTCTGGG ACCGTAACCC TTTGGATACT GCCTGACAAA AACGACATCT TCATCCCTAA
4561	TTACAGAACT CTCCTTGRAT TTGCCCTGCC TGGGGCAGTT TTGCAAGAGGA ACCTGCCAGA AATGTCTTCA GAGGAACYTA AACGGGACGG ACCCGTCAA AACGTCTCCT TGGACGGTCT
4621	GATTATTGG CTGGTCAGTC TCTTGTGAAA TAGTATCATG TGAGAAACAG TTTGTAGAAA CTAAATAACC GACCAGTCAG AGAACACTTT ATCATAGTAC ACTCTTTGTC AAACATCTTT
4681	AAAACTATAC CTGGGAAGAC CTTGCAACA TTGTTCCCTC CATGGGCCAA GACTCAGTTA TTTGATATG GACCCTCTG GAAACGTTGT AACAAAGGAAG GTACCCGGTT CTGAGTCAAT
4741	GGAGGCATAA ATCTGCCCGG AATAAAACTAG GCCAGGATAC AGCCATGTGTT AGTTAATAAT CCTCCGTATT TAGACGGGCC TTATTTGATC CGGTCTATG TCGGTACAAA TCAATTATTA
4801	TTGGTTTAG AATTCAACACA GGCAGGATTG GTTTTTGT GTCTTGGCAA GTGGAGCATA AACCAAAATC TTAAGTGTGT CCGTCTAAC CAAAAAAACA CAGAACCGTT CACCTCGTAT
4861	TTTAACATAC AGGCATGGGA ATCCTGCCTC TTAGCTTTTC CCACCCCTTT GTCTCACCAA AAATTGTATG TCCGTACCT TAGGACGGAG AATCGAAAAG GGTGGGAGAA CAGAGTGGTT
4921	GTGTTTCTC TCCAAAGGTT TCCAGGAATT TCTCATTAAT GGCTGATGCA AACTTAGTGA CAAAAGAG AGGTTCCAA AGGTCTTAA AGAGTAATTA CCGACTACGT TTGAATCACT
4981	ATAATAATGA ATATAAACAA TGCTCACCTC ACCAAAATTA TATTATTTGC AGTCATTTGT TATTATTACT TATATTGTT ACGAGTGGAG TGGTTTAAT ATAATAAACG TCAGTAAACA



Figure 15 (cont.)

5041	GATAACACAA ATTTTATCGC AATGGTTATT ATTTAATTG TGGCCACACA CTGTGGTTAT CTATTGTGTT TAAAATAGCG TTACCAATAA TAAATTAAAC ACCGGTGTGT GACACCAATA
5101	CTTTGTTGT GGTTGTTCT GAGAAAATGT TCTTGGATAT GTAAGTGCCA ATACCAGTGT GAAAACAACA CCAACAAAGA CTCTTTACA AGAACCTATA CATTACACGGT TATGGTCACA
5161	GAAGTATTGA TCCCAGGAG CAAAATACAG CCTAAGGTTT GTAAACATCA ATTCTATCTC CTTCATAACT AGGGCCCGTC GTTTATGTC GGATTCCAAA CATTGTAGT TAAGATAGAG
5221	AGTTCATCAG AGGGCCTGAG AAGCTGCGGG GCAGTGTAAA GTAAAGTATG CTGGGCTGGT TCAAGTAGTC TCCCAGGACTC TTGACGCC CGTCACATTT CATTTCATAC GACCCGACCA
5281	GGTGGTCAGC CTCCCCTTGC CAAGAAGAGA GCAATTGAAT CCTGTCCCCA GCTCCCTCCA CCACCAAGTCG GAGGGGAACG GTTCTTCTCT CGTTAACCTA GGACAGGGGT CGAGGGAGGT
5341	CGCCTGAAGA GTGACCAGTG CTGGCCCGAC GGATCGCTGA GATATTCTCC CATAATGGCA GCGGACTTCT CACTGGTCAC GACCCGGCTG CCTAGCGACT CTATAAGAGG GTATTACCGT
5401	AAAAAAATAGG CAGTTGATG TGACCTGTT AGTGTGGCTC TCCTCTTTG AGCATGTGTT TTTTTTATCC GTCAAACATAC ACTGGACAAA TCACACCGAG AGGAGAAAAC TCGTACACAA
5461	AGCATTCTTA TTTTATACTC ATCCAGTGA CTCTGCTCTT CCAAGTGTGT TCATGTATGT TCGTAAAAAT AAAATATGAG TAGTCACCT GAGACGAGAA GGTCACACAA AGTACATACA
5521	GCTAGATATA TTAGCACAGC CTGCCTTCTG CTGCACAACG CCTTAGAGAC CCGGCCCTTC CGATCTATAT AATCGTGTG GACGGAAGAC GACGTGTTGC GGAATCTCTG GGCCGGAAAG
5581	AATGAGCTTA GCTTGTGCTC TGTTCTGCT CTCTTAGGTC TAAACTATGG TGTCAGTTT TTACTCGAAT CGAACACGAG ACAAAAGACGA GAGAATCCAG ATTTGATACC ACAGTCAAAA
5641	AATAGAACAA AAGTATGCAT CTTGCCCTGG CTTGAGCCTT TTCGTTTCA ATGCTGACTT TTATCTTGTGTT TTCATACGTA GAACGGAACC GAACTCGGAA AAGCAAAAGT TACGACTGAA
5701	CTCCCCTTTC TCTCCTGTGTC TCACCTTACC TTTCCAGAGT GTAAGGGACA ACTTTAAGG GAGGGGAAAG AGAGGACACG AGTGGATGG AAAGGTCTCA CATTCCCTGT TGAAAATTCC
5761	AGGCGTGTCC CTGGTAGGGG CATCCCTGTT CACCAGGTGC CTGTCATCAC CCCACTTGAC TCCGCACAGG GACCATCCCC GTAGGGACAA GTGGTCCACG GACAGTAGTG GGGTGAAC TG
5821	TGACATCTAC CCTGGTGAAT ATGGGTTCT CTTGTTGTA GGGAACGGTG GCTCCAGGTG ACTGTAGATG GGACCACTGA TACCCAAGGA GAACAAACAT CCCCTGCCAC CGAGGTCCAC
5881	GAGGCATCAA TCTGTTGGGT TCTGGTCCCG GGCTGCCTTT GGTTTGAAA GTCTCTCTC CTCCGTAGTT AGACAAACCA AGACCAAGGG CCGACGGAAA CCAAAACTTT CAGAGAAGAG
5941	TGTATATTCC TACCTGCAT TTGCTTGTG TGGTGTGAT GCTGTGGCAG TAGGATCTTG ACATATAAGG ATGGGACGTA AACGAAACAC ACCACGACTA CGACACCGTC ATCCTAGAAC
6001	GATGACTCTC CATCAGTCAC AGACTCCCCC TGTTGCAAAG TGTCAAGGCTG ACTCGACAGT CTACTGAGAG GTAGTCAGTG TCTGAGGGGG ACAACGTTTC ACAGTCCGAC TGAGCTGTCA
6061	CACCGTAAAAA TCTGAGTCAG TCACACACAG GCTGTCAGCC ACGGCTTCCA CTTGCATGGC GTGGCATTTC AGACTCAGTC AGTGTGTGTC CGACAGTCGG TGCCGAAGGT GAACGTACCG
6121	TATTCTATTT TCACACGTGA GTTCTGTTG CTGGCTGGCT GACTGGCATT ATCTATGCTA ATAAGATAAA AGTGTGCACT CAAAGACAAAC GACCGACCGA CTGACCGTAA TAGATACGAT
6181	AGTTGAAATC AGGAGTGTGC CCAGCAGAGC CCATCATTCT CACTGTCTT GAAACAAAGC TCAACTTTAG TCCTCACACG GGTGCTCTG GGTAGTAAGA GTGACAGAAA CTTTGTTCG
6241	TGTACGGTTT GATCGATGAA CGTATTAAA GCATTTCATG CAATGACAAA GTGCTCAGTA ACATGCCAAA CTAGCTACCT GCATAAATT CGTAAAGTAC GTTACTGTGTT CACGAGTCAT



Figure 15 (cont.)

6301	GTGGAAGGCA GGCTGTGACC AGTCTGCCTG CTCCTTACTA TAATTGTGAG GATTGTTAC CACCTCCGT CCGACACTGG TCAGACGGAC GAGGAATGAT ATTAACACTC CTAAACAATG
6361	TGGAACAGTA CATGGAGGCC TGACCTTGTG GGGGCACAGG GTGGAACCTT AGCTGAATAT ACCTTGTCA GTACCTCCGG ACTGGAACAC CCCCCTGTCC CACCTGGAA TCGACTTATA
6421	AGTGTGTGTC TCAAGAGGAA GTCAGGGTAC TAGCTCAGTG CTCAATCTCC AGGTACTATA TCACACACAG AGTTCTCCCT CAGTCCCAGT ATCGAGTCAC GAGTTAGAGG TCCATGATAT
6481	TATACATTTG CCCGTTTAT CTCTAATGTG AAATAAATCC CCAAACACTT GTTTATCGTG ATATGTAAAC GGGCAAAATA GAGATTACAC TTTATTTAGG GGTTGTGAA CAAATAGCAC
6541	TAGCGTACCT AAAAGACTAT TCTATTATGG GTGTCCCCAC TTTCTGGTT TGGTCACCCC ATCGCATGGA TTTCTGATA AGATAATACC CACAGGGGTG AAAGAACCAA ACCAGTGGGG
6601	GATCCCCCGG TCTTCTGCTG TATCTAGAAC AGTGAATATA AATGATGTAT GGGAAATAGTG CTAGGGGGCC AGAAGACGAC ATAGATCTTG TCACTGATAT TTACTACATA CCCTTATCAC
6661	TTTCCATATG ATCTGTTGTC TGGAGTATAT GCTACATGTT CATTTACTGT ACAAAAACCC AAAGGTATAC TAGACAACAG ACCTCATATA CGATGTACAA GTAAATGACA TGTGTTGGG
6721	AGTGCAGCTG ATGATGCAA GCAGTCTCTC TCTGTGTACA GTGCCACC TATTTAAAAA TCACGTCGAC TACTACGTT CGTCAGAGAG AGACACATGT CACGGGGTGG ATAAATTTT
6781	TCACGTACAA NCCCAGAACAA CTGTGAAACA CTTAACATAA GAAACAAACG CAGCGTCTGG AGTGCATGTT NGGGTCTTGT GACACTTTGT GAATTGTTATT CTTGTTTGC GTCGCAGACC
6841	ATTCTTCCA AGGAGAGCAG CTTCTCCAC AGGAACACAG TAACAAAAGA GGTCCGCCGC TAAGAAAGGT TCCTCTCGTC GAAAGAGGTG TCCTGTGTC ATTGTTTCT CCAGGGGGCG
6901	CATCCACACC CAGCCAAGAC ACCTCAGAGG CCATAGGGAC AACCTCCTTG CTGGCCAACA GTAGGTGTGG GTCGGTTCTG TGGAGTCTCC GGTATCCCTG TTGGAGGAAC GACCGGGTGT
6961	CCTGCTGGAG CAGGGCACAG GTCCAGCAA CTGATCCTCA GTGGATGGGT CCGCAGTCAA GGACGACCTC GTCCCGTGTG CAGGGTCGTT GACTAGGGAGT CACCTACCCA GGCAGTCAGTT
7021	AGCCTTAATG GGCTCTCTT TGAAGGGGAA AGAAANNTTT CAAGCTTATG ATATCCAACA TCGGAATTAC CCGAGAGAAA ACTTCCCTT TCTTTNNAAA GTTCGAATAC TATAGTTGT
7081	TTATTATAGT TGATGAGTTA GTAAATTCCG AAAAAAAAG ATGATTTAT ATGTATGACA AATAATATCA ACTACTCAAT CATTAAAGGC TTTTTTTTC TACTAAAATA TACATACTGT
7141	AAAAAAAAAT CTTGTAAAG TGCGCAAGTG CAATAATTAA AAGAGGTCTT ATCTTGCAT ATTTTTTTA GAAACATTTC ACGCGTTCAC GTTATTAAAT TTCTCCAGAA TAGAAACGTA
7201	TTATAAATTAA TAAATATTGT ACATGTGTGT AATTTTCAT GTATTCAATT GCAGTCTTG AATATTTAAAT ATTTATAACA TGTACACACA TTAAAAAGTA CATAAGTAAA CGTCAGAAC
7261	TATTTAAAAA AACTTTACTG TTATGTTGT ATAATAGAAC ATTAATCATT TATTATAACT ATAAATTTTT TTGAAATGAC AATACAAACA TATTATCTTG TAATTAGTAA ATAATATTGA
7321	CAGACAAGGT GTAAATAAT TCATAATTCA AACAGCCAGT ATATATGCAT ATATGGGTGT GTCTGTTCCA CATTATTAAAGT TTGTCGGTCA TATATACGTA TATACCCACA
7381	TACATGCAA AAATCTCTAT CTTGTTCTA TTCACATGCT TAAAGAAGTA AGAAATCTT ATGTAACGTT TTTAGAGATA GAAACAAGAT AAGTGTACGA ATTCTTCAT TCTTTAGAAA
7441	TGTGGATATG TAATTATACA TATAAAAGTAT ATATATATGT ATGATACATG AAATATATTT ACACCTATAC ATTAATATGT ATATTCATA TATATATACA TACTATGTAC TTTATATAAA
7501	AGAAATGTTC ATAATTTAA TGGATATTCT TTGGTGTGAA TAATTGAATA CAACATTTT TCTTTACAAG TATTAAAATT ACCTATAAGA AACACACATT ATTAACCTTAT GTTGTAAAAA



Figure 15 (cont.)

Title: Gen Necessary for Striatal Function...
Inventor(s): Robertson, et al.
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7561 AAAATGAAAA AAAAAAAA C
TTTACTTT TTTTTTTT G



Title: Gene Necessary for Striatal Function...
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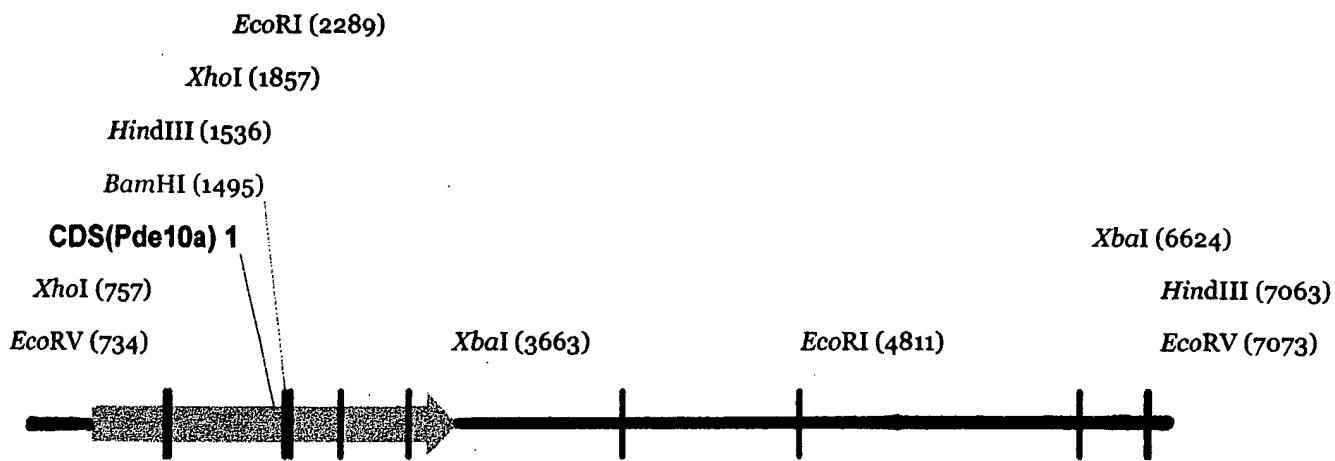


Figure 16

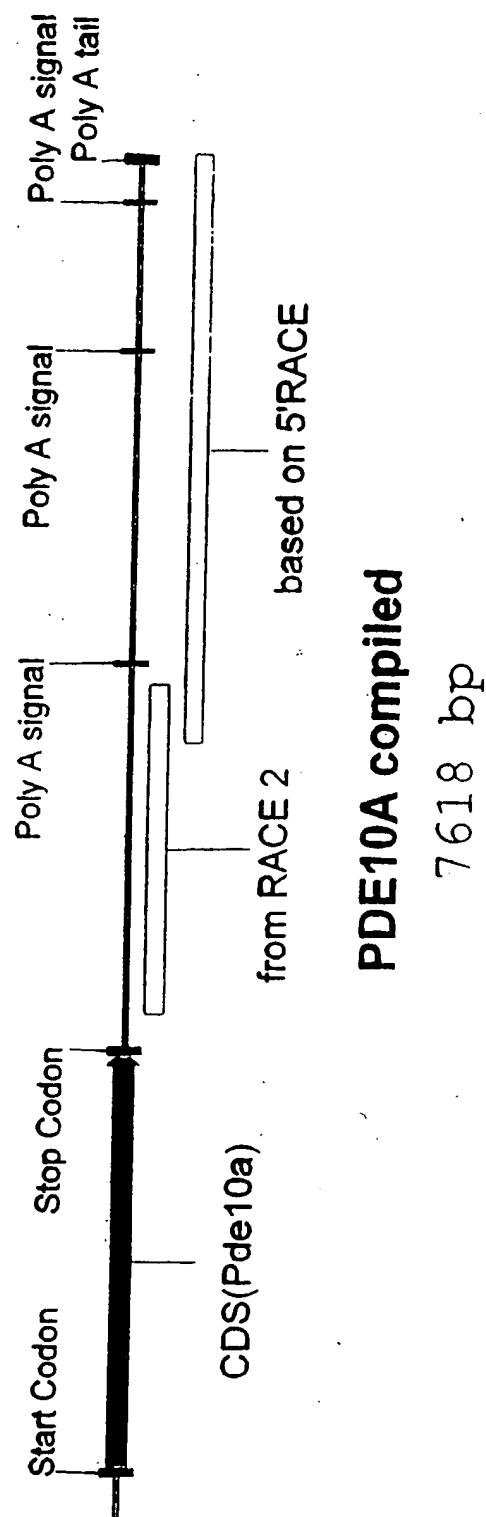
7581 bp



Title: Gene Necessary for Striatal Function...
Inventor(s): Robertson, et al.
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PDE10A compiled - coding sequence and features

Figure 17





Title: Gene Necessary for Striatal Function...
Inventor(s): Robertson, et al.
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Figure 18

PDE10A compiled - restriction sites

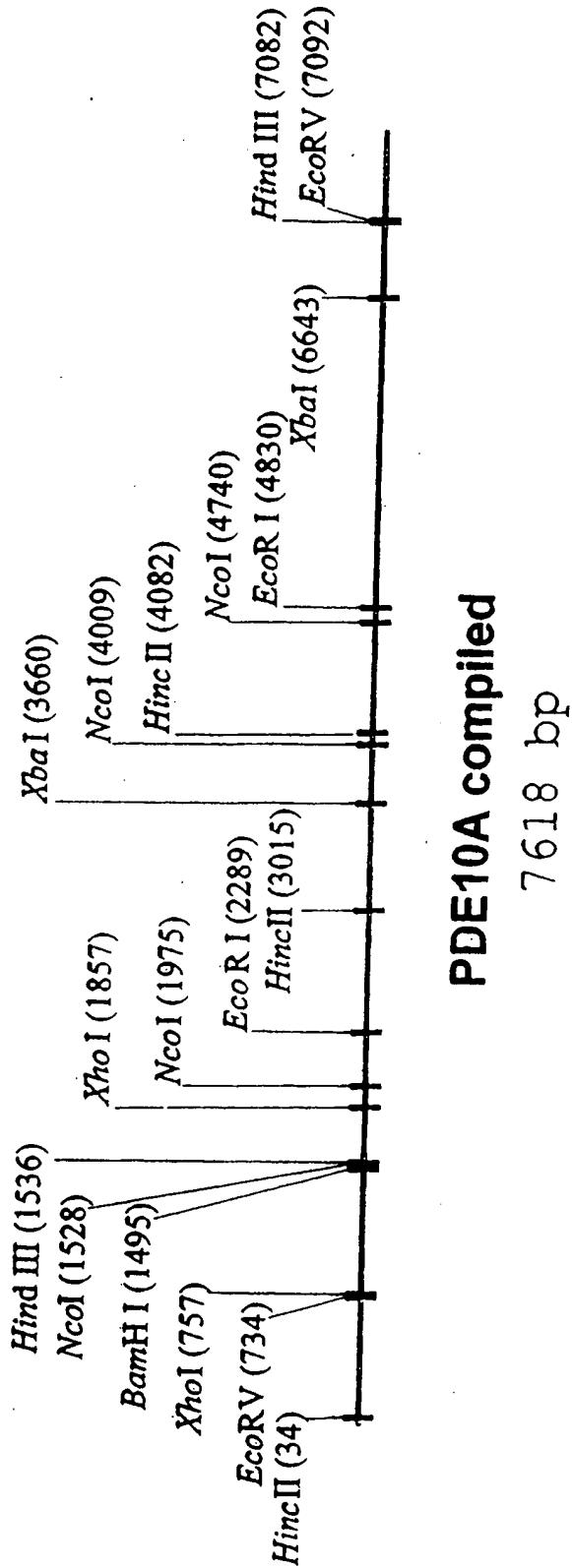




Figure 19

1	CGCCCGGGCA GGTCTGTTGG AGGGCAGTTG GTCAACCTGA CCAGAGAGAG CTGAGCTGGA GCGGGGCCGT CCAGACAAAC TCCCGTCAAC CAGTTGGACT GGCTCTCTC GACTCGACCT
61	AGACCCCAC TATGGTGTGC TGCCCTTCAG TCCAGGAAGA AAGAAAGGAA GGATTCTGAG TCTGGGGTGA CTACCACACG ACGGAAAGTC AGGTCTTCT TTCTTCTCCTT CCTAAGACTC
121	GATTTGGCA AAGCCACATT CCTGGAGAAG TCTGTATACT GATGCCAAC CCAAGAGCTG CTAAACCCGT TTCGGTGTAA GGACCTCTTC AGACATATGA CTACGGTTG GGTTCTCGAC
181	AGCTGCTGAT GAGGCCAGG GAGTAGCCCA CGCGCCCTGA GCTGTTGGCT AGCAAGGCCT TCGACGACTA CTCCGGGTCC CTCATCGGGT GCGCAGGACT CGACAACCGA TCGTTCCGGA
241	TCCTGCTCCA TGTGGCATGG AAAAATTATA TGGTTTGACG GATGAAAAGG TGAAGGCCTA AGGACGAGGT ACACCGTACC TTTTAATAT ACCAAACTGC CTACTTTCC ACTTCCGGAT
301	TCTTCTCTC CATCCCCAGG TATTAGATGA ATTTGTTCT GAAAGTGTAA GTGCAGAGAC AGAAAGAGAG GTAGGGGTCC ATAATCTACT TAAACAAAGA CTTTCACAAT CACGTCTCTG
361	TGTGGAAAAG TGGCTGAAGA GGAAAACCAA CAAAGAAAA GATGAACCAT CTCCCAAGGA ACACCTTTTC ACCGACTTCT CTTTGGTT GTTTCGTTT CTACTTGGTA GAGGGTTCCT
421	AGTCAGCAGG TACCAAGGATA CGAATATGCA GGGAGTCGTG TACCGAGCTGA ACAGCTACAT TCAGTCGTCC ATGGTCTAT GCTTATACGT CCCTCAGCAC ATGCTCGACT TGTGATGTA
481	AGAGCAGCGC CTGGACACGG GCAGGGACAA CCACCTGTC CTCTATGAGC TCAGCAGCAT TCTCGTCGCG GACCTGTGCC CGCCCTGTT GGTGGACGAG GAGATACTCG AGTCGTCGTA
541	CATCAGGATA GCCACAAAAG CCGACGGATT TGCACTGTAC TTCCCTGGAG AGTGAATAA GTAGTCCTAT CGGTGTTTC GGCTGCCTAA ACGTGACATG AAGGAACCTC TCACGTTATT
601	TAGCCTGTGT GTGTTCATAC CACCCGGAT GAAGGAAGGC CAACCCCGGC TCATCCCTGC ATCGGACACA CACAAGTATG GTGGGCCCTA CTTCTTCCG GTGGGGCCG AGTAGGGACG
661	AGGGCCCATC ACCCAGGGTA CCACCATCTC TGCCTACGTG GCCAAGTCTA GGAAGACGTT TCCCAGGTAG TGGGTCCCAT GGTGGTAGAG ACGGATGCAC CGGTTAGAT CTTCTGCAA
721	GTTGGTAGAG GATATCCTTG GGGATGAGCG ATTTCCTCGA GGTACTGGCC TGGAAATCAGG CAACCATCTC CTATAGGAAC CCCTACTCGC TAAAGGAGCT CCATGACCGG ACCTTAGTCC
781	AACCCGCATC CAGTCTGTTTC TTTGCTTGCC CATTGTCACT GCCATTGGAG ACTTGATTGG TTGGGCGTAG GTCAGACAAG AAACGAACGG GTAACAGTGA CGGTAAACCTC TGAACAAACC
841	CATCCTGAA CTGTACAGGC ACTGGGGCAA AGAGGCCTTC TGCCCTAGCC ATCAGGAGGT GTAGGAACCT GACATGTCCG TGACCCCGTT TCTCCGGAAG ACGGAGTCGG TAGTCCTCCA
901	TGCAACAGCC AATCTGCTT GGGCTTCCGT AGCAATACAC CAGGTGCAGG TGTGAGAGG ACGTTGTCGG TTAGAACGAA CCCGAAGGCA TCGTTATGTG GTCCACGTCC ACACATCTCC
961	TCTCGCCAAA CAGACCGAAC TGAATGACTT CCTACTCGAC GTATCAAAGA CATACTTGAA AGAGCGGTTT GTCTGGCTTG ACTTACTGAA GGATGAGCTG CATAGTTCT GTATGAAACT
1021	TAACATAGTT GCCATAGACT CTCTACTTGA ACACATCATG ATATATGCAA AAAATCTAGT ATTGTATCAA CGGTATCTGA GAGATGAAC TGTGAGCTAC TATATACGTT TTTTAGATCA
1081	GAACGCCGAC CGCTGCGCGC TCTTCCAGGT GGACCACAAG AACAAAGGAGC TGTACTCGGA CTTGCGGCTG GCGACGCGCG AGAAGGTCCA CCTGGTGTTC TTGTTCTCG ACATGAGCCT
1141	CCTGTTGAC ATTGGGGAGG AGAAGGAGGG GAAGCCCACAT TTCAAGAAGA CCAAGGAGAT GGACAAACTG TAACCCCTCC TCTTCCCTCC CTTGGGTAG AAGTTCTTCT GGTTCTCTA
1201	CAGATTTC ATTGAGAAAG GGATTGCTGG TCAAGTGGCA AGAACAGGCG AAGTCTGAA GTCTAAAAGG TAACTCTTC CCTAACGACC AGTTCACCGT TCTTGTCCGC TTCAGAACTT



Figure 19 (cont.)

1261	CATTCCCGAT GCCTACGCGG ACCCTCGCTT TAACAGGGAG GTGGACCTGT ACACAGGCTA GTAAGGGCTA CGGATGCGCC TGGGAGCGAA ATTGTCCCTC CACCTGGACA TGTGTCCGAT
1321	CACCA CGAGG AACATTCTGT GTATGCCAT AGTGAGCCGA GGCAGCGTGA TTGGCGTGGT GTGGTGCCTC TTGTAAGACA CATA CGGGTA TCACTCGGCT CCGTCGCACT AACCGCACCA
1381	GCAGATGGTG AACAAAGATCA GCGGTAGCGC CTTCTCCAAG ACAGACGAGA ACAACTCAA CGTCTACCAC TTGTTCTAGT CGCCATCGCG GAAGAGGTTC TGTCTGCTCT TGTGAAGTT
1441	GATGTTGCT GTCTCTGCG CACTGGCCTT GCACTGTGCT AACATGTACC ACAGGATCCG CTACAAACGA CAGAAGACGC GTGACCGGA CGTGACACGA TTGTACATGG TGTCTTAGGC
1501	CCACTCAGAA TGCATCTACA GGGTTACCAT GGAGAAGCTT TCCTACCACA GCATCTGCAC GGTGAGTCTT ACGTAGATGT CCCAATGGTA CCTCTCGAA AGGATGGTGT CGTAGACGTG
1561	CTCCGAGGAG TGGCAAGGCC TCATCGCCTT CAACCTACCA GCACGCATCT GCCGGGACAT GAGGCTCCTC ACCGTTCCGG AGTACCGA GTTGGATGGT CGTGCCTAGA CGGCCCTGTA
1621	CGAGCTATTG CACTTGACA TTGGTCCCTT CGAGAACATG TGGCCTGGGA TCTTTGTCTA GCTCGATAAG GTGAAACTGT ACCCAGGAAA GCTCTGTAC ACCGGACCCCT AGAAACAGAT
1681	CATGATCCAT CGGTCTGTG GGACATCCTG TTTGAACTT GAAAAATTGT GCCGTTTAT GTACTAGGTA GCCAGAACAC CCTGTAGGAC AAAACTGAA CTTTTAACCA CGGCAAAATA
1741	CATGTCCTGTG AAGAAGAACT ATCGGCGGGT TCCTTACAC AACTGGAAGC ATGCAGTCAC GTACAGACAC TTCTTCTGA TAGCCGCCA AGGAATGGTG TTGACCTTCG TACGTCAGTG
1801	GGTGGCACAC TGATGTATG CCATACTTCA AAACAACAAT GGCTCTTCA CAGACCTCGA CCACCGTGTG ACGTACATAC GGTATGAAGT TTTGTTGTTA CCGGAGAAGT GTCTGGAGCT
1861	GCGAAAGGC CTGCTAATTG CGTGTCTGTG CCATGACCTG GACCACAGGG GCTTCAGTAA CGCGTTCCG GACGATTAAC GCACAGACAC GGTACTGGAC CTGGTGTCCC CGAAGTCATT
1921	CAGCTACCTG CAGAAGTCG ACCACCCCT GGCGCGCTG TACTCCACCT CCACCATGGA GTCGATGGAC GTCTCAAGC TGGGGGGGA CCGCCGCGAC ATGAGGTGGA GGTGGTACCT
1981	GCAACACCAC TTCTCCCAGA CGGTGTCCAT CCTTCAGCTG GAAGGGCACA ATATCTCTC CGTTGTGGTG AAGAGGGTCT GCCACAGGTA GGAAGTCGAC CTTCCGTGT TATAGAAGAG
2041	CACCCGTGAGC TCCAGCGAGT ACGAGCAGGT GCTGGAGATC ATCCGCAAAG CCATCATCGC GTGGGACTCG AGGTGCTCA TGCTCGTCA CGACCTCTAG TAGCGTTTC GGTAGTAGCG
2101	CACCGACCTC GCCCTATACT TTGGGAACAG GAAGCAGTTG GAGGAGATGT ACCAGACAGG GTGGCTGGAG CGGGATATGA AACCTTGTC CTTCGTCAAC CTCCTCTACA TGGTCTGTCC
2161	GTCGCTGAAC CTCCACAAAC AGTCCCATCG AGACCGTGTG ATCGGCTTGA TGATGACTGC CAGCGACTTG GAGGTGTTGG TCAGGGTAGC TCTGGCACAG TAGCCGAAC ACTACTGACG
2221	CTGTGATCTT TGCTCTGTG CCAAACATAG GCCAGTTACA AAATTGACAG CGAATGATAT GACACTAGAA ACGAGACACT GGTGATAC CGGTCAATGT TTTAACTGTC GCTTACTATA
2281	ATATGCAGAA TTCTGGGCTG AGGGTGTG GATGAAGAAG CTGGGCATAC AGCCCATTCC TATACGTCTT AAGACCCGAC TCCCCTACT CTACTTCTTC GACCCGTATG TCGGGTAAGG
2341	TATGATGGAC AGAGACAAAGC GAGATGAAGT CCCTCAAGGG CAGCTCGGAT TCTACAATGC ATACTACCTG TCTCTGTGTC CTCTACTTCA GGGAGTTCCC GTGAGCCTA AGATGTACG
2401	TGTGGCCATT CCCTGCTATA CCACCTTGAC GCAGATCCTC CCACCCACAG AGCCTCTGCT ACACCGTAA GGGACGATAT GGTGGAACGT CGTCTAGGAG GGTGGGTGTC TCGGAGACGA
2461	GAAGGCCTGC AGGGATAACC TCAATCAGTG GGAGAAGGTA ATTGCGGGGG AAGAGACAGC CTTCCGGACG TCCCTATTGG AGTTAGTCAC CCTCTCCAT TAAGCGCCCC TTCTCTGTG



Figure 19 (cont.)

2521	AATGTGGATT TCAGGCCAG GCCCGCGCC TAGCAAGAGC ACACCTGAGA AGCTGAACGT TTACACCTAA AGTCCGGGTC CGGGCCGCGG ATCGTTCTCG TGTGGACTCT TCGACTTGCA
2581	GAAGGTTGAA GACTGATCCT GAAGTGACGT CCTGATGTCT GCCCAGCAAC CGACTCAACC CTTCCAACCTT CTGACTAGGA CTTCACTGCA GGACTACAGA CGGGTCGTTG GCTGAGTTGG
2641	TGCTTCTGTG ACTTCGTTCT TTTGTTTC AAGGGGTGAA AACCCCTGT CAGAAGGTAC ACGAAGACAC TGAAGCAAGA AAAACAAAAG TTCCCCACTT TTGGGGGACA GTCTTCCATG
2701	CGTCGCATAT CCATGTGAAG CAGACGACTC CCTGCTTGCC GCACACACCT CGGACAGTGA GCAGCGTATA GGTACACTTC GTCTGCTGAG GGACGAACGG CGTGTGTGGA GCCTGTCACT
2761	GCAACCCAGG CTCTGCCGTG TTCAGACGTC GGCTACTCCG TGGCTCCACC TGACCTCCGA CGTTGGGTCC GAGACGGCAC AAGTCTGCAG CCGATGAGGC ACCGAGGTGG ACTGGAGGCT
2821	ATGCTATTTG CTCCCAGGCC AGCACTGCAC TGTCTGGAGG GGGCAGAGAC CACAGGAGAG TACGATAAAC GAGGGTCCCG TC GTGACGTG ACAGACCTCC CCCGTCTCTG GTGCTCTCTC
2881	GTTCTGCCT GCATCCTCCC ATGAGGGTGT GGCCAGTTCC CTAGTTCTGT GCCATGCTGC CAAGAACGGA CGTAGGAGGG TACTCCCACA CCGGTCAAGG GATCAAGACA CGGTACGACG
2941	TGCTTGGTGG CATTGGTTAG GAATGGGACA CACGCCCTT GTTGTGAAGT TTACATGTGA ACGAACCAACC GTAACCAATC CTTACCTGT GTGCGGGAA CAACACTTCA AATGTACACT
3001	CCTTCTTATA GGTAACTGA GTTGTGGCC TGGGACACAT GTAATGAAGG TCACAGTCCA GGAAGAATAT CCAATTGACT CAAACACCGG ACCCTGTGTA CATAACTTCC AGTGTCAAGGT
3061	CAGGTGACAG AGAAATCCAA ACTGTTGATT ACAGGTGCAC TACAGGTATG CTCTTCAGT GTCCACTGTC TCTTAGGTT TGACAACCAA TGTCCACGTG ATGCCATAC GAGAAAGTCA
3121	CTATCTGGGG GCACATAGGT GAGTCTGCTC CACTCAGAAG GAAGCATAAC TCTSCCCTCA GATAGACCCC CGTGTATCCA CTCAGACGAG GTGAGTCTTC CTTGTATGG AGASGGAGT
3181	TCCAGGGGAC ACAGGGTACA TCCCAGGCAT CGGGGAACTG AAGCTCTCAC TTCAAACCAT AGGTCCCTG TGTCATGT AGGGTCCGTA GCCCCTTGAC TTCGAGAGTG AAGTTGGTA
3241	GTCAAAGAAT TAAAACACCT CCCCTCCCCC TCACTGTAGC CTTCGGCAAC TGCGCCAAC CAGTTCTTA ATTTTGTGGA GGGGAGGGGG AGTACATCG GAAGCCGTTG ACGCGGTTAG
3301	CCTTATACA AAGAAAATAT AAGTAAGGA TATAAATTTC CTCCAGCAAG CAAATCTTGT GGAAATATGT TTCTTTATA TTCATTCCGT ATATTTAAAG GAGGTGTTG TTGTTAGAAC
3361	GGGTAAAAAA AAAAAATGTG AATTTAACAA ACCTCTATAT TTTCACTGTA TGTTATGGCA CCCATTTTT TTTTTACAC TTAAAATTGT TGGAGATATA AAAGTACAT ACAATACCGT
3421	GAATTTAGT CACGTCCAAA ACAAAAGATT ATTCCAGAAG ATACCTCATC CTATGCCTGA CTTAAAATCA GTGCAGGTT TGTTTCTAA TAAGGTCTTC TATGGAGTAG GATACGGACT
3481	AAGCTCCACA GCATGGCGTC CGTCTCCAG GGTTCTGATC CGTCTCCTCA CGGTGCAATC TTCGAGGTGT CGTACCGCAG GCAGAGGGTC CCAAGACTAG GCAGAGGAGT GCCACGTTAG
3541	AGGCAGGACA GGAGGAGGTG CAGGGCTACC ACATTGACCC AGATGGTATC TCCTCTCACC TCCGTCTGT CCTCCTCCAC GTCCCGATGG TGAACTGGG TCTACCATAG AGGAGAGTGG
3601	ATTCAAGACAT CCATAAGGAA TGCCAAATGC TGTATTGAAT AGTCTCCTG TGTGACTTTC TAAGTCTGTA GGTATTCCCTT ACGGTTACG ACATAACTTA TCAAGAGGAC ACACGTAAAG
3661	TAGAGAAGCC AGGACACCCC TGAGCCTTC CTGGGAACTC CTAAGGAAGT CACAGGTTCA ATCTCTCGG TCCTGTGGGG ACTCGGAAAG GACCCCTGAG GATTCCTCA GTGTCCAAGT
3721	CACCGTGGGG ATTTTCAGGA TAGCATGGAG ACCAGAGAAT CCCGGTTCGG TTGTTCTCAC GTGGCACCCC TAAAAGTCTT ATCGTACCTC TGGTCTCTTA GGGCAAGCC AACAGAGTG



Figure 19 (cont.)

3781	TCGGTGAGCC TTGAGAAGGA AGAGACTGAC CAGAAACACT CACTCAGCAC TCTGGCAGGA AGCCACTCGG AACTCTTCT TCTCTGACTG GTCTTTGTGA GTGAGTCGTG AGACCGCTCT
3841	GCAGGAGAAG ATACTTTAAG ATGAATCTT GGGATAGATT TTGATACACC CAATACCATCA CGTCCTCTTC TATGAAATTC TACTTAGAAA CCCTATCTAA AACTATGTGG GTTATGGTAT
3901	CACACAGGAG CTTGGCATT GCAAAGTCTA TTCAGTTCC TTCCACACTC TGACCCACGG GTGTGTCCTC GAACCGTAAA CGTTTCAGAT AAGTCAAAGG AAGGTGTGAG ACTGGGTGCC
3961	TTGTAGCGGA GTGGGCTGAA CACTGTAACA CTGTACATGC GATTTCCCCA TGGGCTCTA AACATCGCCT CACCCGACTT GTGACATTGT GACATGTACG CAAAGGGGT ACCCGAAGAT
4021	AAATGTCACC ATCTCCTCCC CTGCTGTGTC CTACTCCATT TACTGGTTAC AAGGTGATGT TTTACAGTGG TAGAGGAGGG GACGACACAG GATGAGGTAA ATGACCAATG TTCCACTACA
4081	CAACAAGAGA AGCTATCACA ACACCAGGGC TGTGCACACG TGACACACACA TGTATGCACA GTTGTTCTCT TCGATAGTGT TGTGGTCCCG ACACGTGTGC ACGTGTGTGT ACATACGTGT
4141	AGCACACAGA TGTATGTACA GCACACACAC ACACACACAC CCCAAAAGGA GAGAAAAGGA TCGTGTGTCT ACATACATGT CGTGTGTGT TGTGTGTGT GGGTTTCCT CTCTTTCCCT
4201	AGAAAACATT TATAAAAAGC GACAGCTACC CCCATATTCA AAAATAGTTC TTTTCCCTGT TCTTTGTAA ATATTTTCG CTGTCGATGG GGGTATAAGT TTTTATCAAG AAAAGGGACA
4261	AGGGAAACAG GTAGCTCTCC ATAAGGAAAT TATCATGAGT GTGTTCTCCC ATCAGTGCAC TCCCTTGTC CATCGAGAGG TATTCTTTA ATAGTACTCA CACAAGAGGG TAGTCACGTG
4321	TTCTCCCAGG GGTGCTCACT GAAGCTGGTC CACGTCTATA AACAGGTGAC ACTGGCTGCA AAGAGGGTCC CCACGAGTGA CTTGACCAG GTGCAGATAT TTGTCCTACTG TGACCGACGT
4381	GCAAAAAGCC ATTGATCCA CACAAATTGA TCTTCTATCA TCTTGAATC TGAATTGCAG CGTTTTCGG TAAGCTAGGT GTGTTAACT AGAAGATAGT AGAACCTTAG ACTTAACGTC
4441	GGAGGAGCAG CATGTAAGAC GACCGTTAA TTCAGGCATT CCGAAGGCAT GAGCGCATGG CCTCCCTCGTC GTACATTCTG CTGGCAAATT AAGTCCGTAA GGCTTCCGTA CTCGCGTACC
4501	ATTCTGTCAC CAAGCGTATA AAAGGACCT GGCAATTGGGA AACCTATGAC GGACTGTTT TAAGACAGTG GTTCGATAT TTTCTGGGA CCGTAACCCT TTGGATACTG CCTGACAAAA
4561	TGCTGTAGAA GTAGGGATT TACAGAAGTC TCCTTGATT TGCCCTGCCT GGGGCAGTT ACGACATCTT CATCCCTAAA ATGCTTCAG AGGAACCTAA ACGGGACGGA CCCCCTCAAA
4621	TGCAGAGGAA CCTGCCAGAG ATTATTGGC TGGTCAGTCT CTTGTGAAAT AGTATCATGT ACGTCTCTT GGACGGTCTC TAAATAACCG ACCAGTCAGA GAACACTTTA TCATAGTACA
4681	GAGAACAGT TTGTAGAAAA AAACATATACC TGGGAAGACC TTTGCAACAT TGTTCTTCC CTCTTGTCA AACATCTTT TTGATATGG ACCCTTCTGG AACGTTGTA ACAAGGAAGG
4741	ATGGCCAAG ACTCAGTTAG GAGGCATAAA TCTGCCGGA ATAAACTAGG CCAGGATACA TACCCGGTTC TGAGTCATC CTCCGTATT AGACGGCCT TATTGATCC GGTCTATGT
4801	GCCATGTTA GTTAATAATT TGGTTTAGA ATTACACACAG GCAGGATTGG TTTTTTGTG CGGTACAAAT CAATTATCAA ACCAAATCT TAAGTGTGTC CGTCCTAACCA AAAAAAACAC
4861	TCTGGCAAG TGGAGCATAT TAAACATACA GGCAATGGAA TCCTGCCTCT TAGCTTTCC AGAACCGTTC ACCTCGTATA AATTGTATGT CCGTACCTT AGGACGGAGA ATCGAAAAGG
4921	CACCCCTTG TCTCACCAAG TTTTTCTCT CCAAAGGTTT CCAGGAATTCT CTCATTAATG GTGGGAGAAC AGAGTGGTTC AAAAAAGAGA GTTTCCAAA GGTCTTAAA GAGTAATTAC
4981	GCTGATGCAA ACTTAGTGAA TAATAATGAA TATAAACAAAT GCTCACCTCA CAAAATTAT CGACTACGTT TGAATCACTT ATTATTACTT ATATTGTTA CGAGTGGAGT GGTTTTAATA



Figure 19 (cont.)

5041	ATTATTTGCA GTCATTTGTG ATAACACAAA TTTTATCGCA ATGGTTATTA TTTAATTGT TAATAAACGT CAGTAAACAC TATTGTGTT AAAATAGCGT TACCAATAAT AAATTAAACA
5101	GGCCACACAC TGTGGTTATC TTTTGTG TGTTGTTCTG AGAAAATGTT CTTGGATATG CCGGTGTG TG ACACCAATAG AAAACAACAC CAACAAAGAC TCTTTACAA GAACCTATAC
5161	TAAGTGC CAA TACCA GTGTG AAGTATTGAT CCCGGGCAGC AAAATACAGC CTAAGGTTG ATTCA CGGTT ATGGTCACAC TTCATAACTA GGGCCC GTG CG TTTATGTG TG GATTCCAAAC
5221	TAAACATCAA TTCTATCTCA GTTCATCAGA GGGCCTGAGA AGCTGCGGGG CAGTGAAAG ATTTGTAGTT AAGATAGAGT CAAGTAGTCT CCCGGACTCT TCGACGCC GTCACATTTC
5281	TAAAGTATGC TGGGCTGGTG GTGGTCAGCC TCCCCTGCC AAGAAGAGAG CAATTGAATC ATTTCATACG ACCCGACCCAC CACCA GTCGG AGGGGAACGG TTCTTCTCTC GTTAACCTAG
5341	CTGTCCCCAG CTCCCTCCAC GCCTGAAGAG TGACCA GTGC TG GGGCCGACG GATCGCTGAG GACAGGGTC GAGGGAGGTG CGGACTTCTC ACTGGTCACG ACCGGCTGC CTAGCGACTC
5401	ATATTCTCCC ATAATGGCAA AAAAATAGGC AGTTTGATGT GACCTGTTA GTGTGGCTCT TATAAGAGGG TATTACCGTT TTTTATCCG TCAAAC TACA CTGGACAAT CACACCGAGA
5461	CCTCTTTGA GCATGTGTTA GCATTTTAT TTTATACTCA TCCAGTGAAC TCTGCTCTTC GGAGAAA ACT CGTACACAAT CGTAAAATA AAATATGAGT AGGTCACTTG AGACGAGAAG
5521	CAAGTGTGTT CATGTATGTG CTAGATATAT TAGCACAGCC TGCCTCTGC TGCACAACGC GTTCACACAA GTACATACAC GATCTATATA ATCGTGTGCG ACAGGAAGACG ACGTGTGCG
5581	CTTAGAGACC CGGCCTTCA ATGAGCTTAG CTTGTGCTCT GTTCTGCTC TCTTAGGTCT GAATCTCTGG GCCGGAAAGT TACTCGAATC GAACACGAGA CAAAGACGAG AGAATCCAGA
5641	AAACTATGGT GTCAGTTTA ATAGAACAAA AGTATGCATC TTGCTTGCG TTGAGCCTTT TTGATACCA CAGTCAAAT TATCTGTT TCATACGTAG AACGGAACCG AACTCGGAAA
5701	TCGTTTCAA TGCTGACTTC TCCCCTTCT CTCCTGTGCT CACCTTACCT TTCCAGAGTG AGCAAAAGTT ACGACTGAAG AGGGAAAGA GAGGACACGA GTGGAATGGA AAGGTCTCAC
5761	TAAGGGACAA CTTTAAGGA GCGGTGTCCC TGGTAGGGC ATCCCTGTT ACCAGGTGCC ATTCCCTGTT GAAAATTCCCT CGCACAGGG ACCATCCCCG TAGGGACAAG TGGTCCACGG
5821	TGTCA TCACC CCAC TTGACT GACATCTACC CTGGT GACTA TGGTTCCCTC TTGTTGTAG ACAGTAGTGG GGTGA ACTGA CTGTAGATGG GACCA GTGAT ACCAAGGAG AACAAACATC
5881	GGAACGGTGG CTCCAGGTGG AGGCATCAAT CTGTTGGTT CTGGTTCCCG GCTGCCTTG CCTTGCCACC GAGGTCCACC TCCGTAGTTA GACAACCAA GACCAAGGGC CGACGAAAC
5941	GT TTTGAAAG TCTCTCT GTATATTCC CACCTGCATT TGTTTG TG GTGCTGATG CAAACATTC AGAGAACAGA CATATAAGGA TGGGACGTAAC AGAAACACA CCACGACTAC
6001	CTGTGGCAGT AGGATCTGG ATGACTCTCC ATCAGTCACA GACTCCCCCT GTTGCAAAGT GACACCGTCA TCCTAGAACCT TACTGAGAGG TAGTCAGTGT CTGAGGGGGCA CAACGTTCA
6061	GTCAGGCTGA CTCGACAGTC ACCG TAAAT CTGAGTCAGT CACACACAGG CTGTCAGGCC CAGTCCGACT GAGCTGTGAG TGGCATT TTA GACTCAGTCA GTGTGTG TG C GACAGTCGGT
6121	CGGCTTCCAC TTGCA TGGCT ATTCTATTTT CACACGTGAG TTTCTGTG TG GCTGGCTG GCCGAAGGTG AACGTACCGA TAAGATAAAA GTGTGCACTC AAAGACAAACG ACCGACCGAC
6181	ACTGGCATT A TCTATGCTAA GTTGAATCA GGAGTGTGCC CAGCAGAGCC CATCATTCTC TGACCGTAAT AGATACGATT CAACTTAGT CCTCACACGG GTCGTCTCG GTAGTAAGAG
6241	ACTGTCTTG AAACAAAGCT GTACGGTTTG ATCGATGAAC GTATTTAAAG CATTTCATGC TGACAGAAAC TTTGTTCGA CATGCCAAAC TAGCTACTTG CATAAAATTTC GTAAAGTACG



Figure 19 (cont.)

Title: Gene Necessary for Striatal Function...
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6301	AATGACAAAG TGCTCAGTAG TGGAAGGCAG GCTGTGACCA GTCTGCCTGC TCCTTACTAT TTACTGTTTC ACGAGTCATC ACCTTCCGTC CGACACTGGT CAGACGGACG AGGAATGATA
6361	AATTGTGAGG ATTTGTTACT GGAACAGTAC ATGGAGGCCT GACCTGTGG GGGCACAGGG TTAACACTCC TAAACAATGA CCTTGTATG TACCTCCGGA CTGGAACACC CCCGTGTC
6421	TGGAACCTTA GCTGAATATA GTGTGTGTCT CAAGAGGAAG TCAGGGTACT AGCTCAGTGC ACCTTGAAT CGACTTATAT CACACACAGA GTTCTCCTTC AGTCCCATGA TCGAGTCACG
6481	TCAATCTCCA GGTACTATAT ATACATTTGC CCGTTTATC TCTAATGTGA AATAAAATCCC AGTTAGAGGT CCATGATATA TATGTAAACG GGCAAAATAG AGATTACACT TTATTTAGGG
6541	CAAACACTTG TTTATCGTGT AGCGTACCTA AAAGACTATT CTATTATGGG TGTCCCCACT GTTTGTGAAC AAATAGCACA TCGCATGGAT TTTCTGATAA GATAATACCC ACAGGGGTGA
6601	TTCTTGGTTT GGTCACCCCG ATCCCCCGGT CTTCTGCTGT ATCTAGAACAA GTGACTATAA AAGAACAAA CCAGTGGGGC TAGGGGGCCA GAAGACGACA TAGATCTTGT CACTGATATT
6661	ATGATGTATG GGAATAGTGT TTCCATATGA TCTGTTGTCT GGAGTATATG CTACATGTT TACTACATAC CCTTATCACA AAGGTATACT AGACAACAGA CCTCATATAC GATGTACAAG
6721	ATTTACTGTA CAAAAACCCA GTGCAGCTGA TGATGCAAAG CAGTCTCTCT CTGTGTACAG TAAATGACAT GTTTTGGGT CACGTCGACT ACTACGTTTC GTCAAGAGAGA GACACATGTC
6781	TGCCCCACCT ATTTAAAAAT CACGTACAAN CCCAGAACAC TGTGAAACAC TTAACATAAG ACGGGGTGGAA TAAATTTTA GTGCATGTTN GGGTCTTGTG ACACTTGTG AATTGTATT
6841	AAACAAACGC AGCGTCTGGA TTCTTCCAA GGAGAGCAGC TTTCTCCACA GGAACACAGT TTTGTTGCG TCGCAGACCT AAGAAAGGTT CCTCTCGTAAAGAGGTGT CTTGTGTCA
6901	AAACAAAGAG GTCCGCCGCC ATCCACACCC AGCCAAGACA CCTCAGAGGC CATAGGGACA TTGTTTCTC CAGGCGGCCGG TAGGTGTGGG TCGGTTCTGT GGAGTCTCCG GTATCCCTGT
6961	ACCTCCTTGC TGGCCAACAC CTGCTGGAGC AGGGCACAGG TCCCAGCAAC TGATCCTCAG TGGAGGAACG ACCGGTTGTG GACCGACCTCG TCCCGTGTCC AGGGTCGTTG ACTAGGAGTC
7021	TGGATGGTC CGCAGTCAAA GCCTTAATGG GCTCTTTTT GAAGGGAAA GAAANNTTTC ACCTACCCAG GCGTCAGTTT CGGAATTACC CGAGAGAAAA CTTCCCTTT CTTTNNAAG
7081	AAGCTTATGA TATCCAACAT TATTATAGTT GATGAGTTAG TAAATTCCGA AAAAAAAAGA TTGAAATACT ATAGGTTGTA ATAATATCAA CTACTCAATC ATTAAAGGCT TTTTTTTCT
7141	TGATTTATA TGTATGACAT AAAAAAAATC TTTGAAAGT GCGCAAGTGC AATAATTAA ACTAAAATAT ACATACTGTA TTTTTTTAG AAACATTCA CGCGTTCACG TTATTAATT
7201	AGAGGTCTTA TCTTGCAATT TATAAATTAT AAATATTGTA CATGTGTGTA ATTTTCATG TCTCCAGAAT AGAAACGTAAT ATATTAATA TTTATAACAT GTACACACAT TAAAAAGTAC
7261	TATTCATTTG CAGTCTTGT ATTTAAAAAA ACTTTACTGT TATGTTGTAA TAAATGAAACA ATAAGTAAAC GTCAGAAACA TAAATTTTT TGAAATGACA ATACAAACAT ATTATCTTGT
7321	TTAACATTT ATTATAACTC AGACAAGGTG TAAATAATT CATAATTCAA ACAGCCAGTA AATTAGTAA TAATATTGAG TCTGTTCCAC ATTATTTAA GTATTAAGTT TGTCGGTCAT
7381	TATATGCATA TATGGGTGTT ACATTGCAA AATCTCTATC TTTGTTCTAT TCACATGCTT ATATACGTAT ATACCCACAA TGTAACGTTT TTAGAGATAG AAACAAGATA AGTGTACGAA
7441	AAAGAAGTAA GAAATCTTT GTGGATATGT AATTATACAT ATAAAGTATA TATATATGTA TTTCTTCATT CTTTAGAAAA CACCTATACA TTAATATGTA TATTCATAT ATATATACAT
7501	TGATACATGA AATATATTTA GAAATGTTCA TAATTTAAT GGATATTCTT TGGTGTGAAT ACTATGTACT TTATATAAT CTTACAAGT ATTAAAATTA CCTATAAGAA ACCACACTTA



Figure 19 (cont.)

Title: Gene Necessary for Striatal Function...
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7561 AATTGAATAAC AACATTTTA AAATGAAAAA AAAAAAAA AAAAAAAA AAAAAAAA
TTAACCTTATG TTGTAAAAAT TTTACTTTT TTTTTTTTT TTTTTTTTT TTTTTTTT